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CATALOG OF
SPACE SHUTTLE
EARTH OBSERVATIONS
HANDHELD PHOTOGRAPHY

SPACE TRANSPORTATION SYSTEM 39 (STS-39)

Mission Dates: April 28 Through May 6, 1991

91-16379

Flight Science Support Office Solar System Exploration Division Space and Life Sciences Directorate

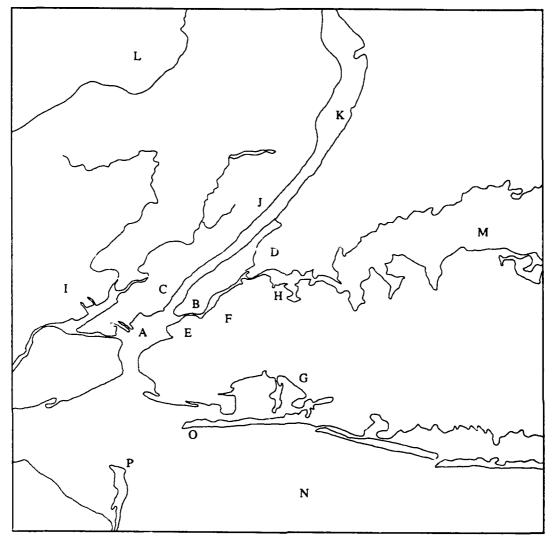


National Aeronautics and Space Administration Lyndon B. Johnson Space Center Houston, Texas 77058

Approved for public rolease;
Distribution Unfimited

LESC-29781

ABOUT THE PHOTOGRAPH INSERT



S-39-088-054 New York City and Surround, New York, U.S.A.

The dense urban development of the New York metropolitan area of downstate New York, Long Island, and New Jersey shows up as gray and white in this color infrared photograph. The scene was taken on a remarkably clear day in April 1991 from the Space Shuttle Discovery at an altitude of 259 km (140 nmi) using a Hasselblad 70-mm camera equipped with a 250-mm lens and Kodak color infrared film (film type 2443). The distance across the photograph is approximately 57 km (35.5 mi). Almost all of the major man-made structures of the area are obvious, including ship traffic and piers in New York Harbor (A); bridges connecting Manhattan Island (B) with Newark, New Jersey (C), the Bronx (D), Brooklyn (E), and Queens (F); and three major airports, John F. Kennedy (G), LaGuardia (H), and Newark (I). Red and pink colors indicate vegetated areas. Central Park shows up clearly on Manhattan Island, as does the string of parks (J) along the cliffs bordering the west side of the Hudson River (K). The Delaware River (L) flows across the upper left corner of the photograph, marking the border between New Jersey and Pennsylvania. With the exception of the more turbid waters of the Hudson River and New York Harbor, water areas appear dark (e.g., Long Island Sound (M), seen along the right margin of the photograph, and the Atlantic Ocean (N), situated along the bottom of the photograph). The broad, sandy beaches along the shores of Long Beach, New York (O), and Sandy Hook, New Jersey (P), appear bright white.

CATALOG OF SPACE SHUTTLE EARTH OBSERVATIONS HANDHELD PHOTOGRAPHY

SPACE TRANSPORTATION SYSTEM 39 (STS-39) Mission Dates: April 28 Through May 6, 1991

Job Order J4-S10

Prepared By

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Lockheed Engineering & Sciences Company

For

Flight Science Support Office Solar System Exploration Division Space and Life Sciences Directorate

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS 77058

October 1991

CATALOG OF SPACE SHUTTLE EARTH OBSERVATIONS HANDHELD PHOTOGRAPHY

SPACE TRANSPORTATION SYSTEM 39 (STS-39) Mission Dates: April 28 Through May 6, 1991

Job Order J4-S10

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PREFACE

This document catalogs Space Shuttle handheld Earth observations photography acquired during the Space Transportation System 39 (STS-39) Mission flown April 28 through May 6, 1991. The country, geographic location, general quality, cloud coverage, and other descriptors of each frame are provided. The catalog is a product of the Flight Science Support Office at the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas.

The Flight Science Support Office wishes to acknowledge those STS-39 astronauts who acquired the photographs cataloged in this document: *Michael L. Coats*, commander; *L. Blaine Hammond*, *Jr.*, pilot; and *Gregory J. Harbaugh*, *Donald R. McMonagle*, *Guion S. Bluford*, *Charles L. Veach*, and *Richard J. Hieb*, mission specialists.

Any reviewer of this catalog who has questions or inquiries about the catalog, the data listings, or the Earth observations program should contact the program manager:

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Inquiries regarding the techniques, cameras, and other details related to Earth observations aboard STS-39 should be forwarded to the lead mission scientist at the address below:

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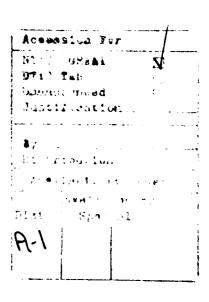
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ACRONYMS AND ABBREVIATIONS

a.m. ante meridiem

ASA American Standards Association

DRM data recording module

EDT eastern daylight time

EROS Earth Resources Observation Systems

ESIC Earth Sciences Information Center

FSSO Flight Science Support Office

GMT Greenwich mean time

in. inch

JSC Lyndon B. Johnson Space Center

km kilometer

mm millimeter

NASA National Aeronautics and Space Administration

nmi nautical mile

OV orbital vehicle

p.m. post meridiem

STS Space Transportation System

1. INTRODUCTION

1.1 EARTH OBSERVATIONS PHOTOGRAPHY

In support of the acquisition of Earth observations photography by Shuttle astronauts, the Flight Science Support Office (FSSO) at the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center (NASA-JSC) coordinates and trains crews in Earth and environmental sciences, provides real-time mission support, and catalogs the handheld photography. Space Shuttle crews are briefed on geological, meteorological, oceanographic, and environmental phenomena of scientific interest and on the basic techniques used to acquire photography over specific sites. During each mission, FSSO scientists monitor the Earth for events of special interest (such as hurricanes or other major storms, floods, ice packs, fires, and active volcanoes), as well as for environmental conditions of specific interest. The FSSO receives and coordinates requests for photography of special events with Mission Control at NASA-JSC, which, in turn, relays the messages to the Shuttle crew. Inputs to FSSO scientists may be made by telephone or fax at (713) 483-5066 or (713) 483-2911, respectively.

The high orbital inclination of 57.0° and time of year, late April and early May, of the Space Transportation System 39 (STS-39) Mission afforded one of the few opportunities for a Space Shuttle crew to photograph aurora australis, the southern lights. Using a 35-mm Nikon F3 camera with high-speed (ASA 1600) film, the STS-39 crew obtained more than 200 photographs of the phenomenon. Many outstanding images recorded green curtains, red-green crowns, roll ellipses, and ionospheric glow away from the center of the energy field. Specific mission data for STS-39 are listed in table 1-1.

1.2 CATALOGING AND INDEXING

This document catalogs Space Shuttle handheld Earth observations photography acquired during Mission STS-39. The country, geographic location, general quality, cloud coverage, and other descriptors of each frame are listed by roll number and by geographic name in section 4, tables 4-3 and 4-4, respectively. This catalog is a product of the FSSO, Solar System Exploration Division, Space and Life Sciences Directorate at NASA-JSC, Houston, Texas. Support has been provided by Lockheed Engineering & Sciences Company, Houston, Texas, under Contract NAS 9-17900.

Cataloging of Earth-looking photography from this mission was accomplished by R. M. Nelson, K. J. Willis, W. J. Daley, and F. R. Brumbaugh of Lockheed Engineering & Sciences Company. Additional contributors to this report include V. S. Whitehead, D. L. Amsbury, M. R. Helfert, K. P. Lulla, and D. E.Pitts of NASA-JSC, and L. P. Boedeker, S. G. Ackleson, C. A. Evans, and M. J. Wilkinson of Lockheed Engineering & Sciences Company.

TABLE 1-1.- MISSION DATA FOR STS-39

Launch: April 28, 1991; 1133 GMT (7:33 a.m. EDT); from

John F. Kennedy Space Center, Florida

May 6, 1991; 1855 GMT (2:55 p.m. EDT); at John F. Kennedy Space Center, Florida Landing:

Orbits: 134

Discovery (OV-103) Vehicle:

140 nmi (255 km) nominal Altitude:

Inclination: 57.0°

Crew: Commander - Michael L. Coats

- L. Blaine Hammond Pilot

Mission specialists - Gregory J. Harbaugh - Donald R. McMonagle - Guion S. Bluford - Charles L. Veach

- Richard J. Hieb

2. ACQUISITION OF EARTH OBSERVATIONS PHOTOGRAPHY

The photography described in this catalog was obtained using four types of cameras: Hasselblad, Linhof, Rolleiflex, and Nikon. The NASA-modified Hasselblad 500 EL/M 70-mm cameras (figure 2-1) were equipped with Zeiss 50-mm CF Distagon f 4.0. 100-mm CF Planar f 3.5, and 250-mm CF Sonnar f 5.6 lenses. Kodak Ektachrome natural color Professional 5017 [American Standards Association (ASA) 64], standard base film and Kodak Aerochrome Color Infrared 2443 (ASA 160) film were used in the Hasselblad cameras. The Linhof Aero Technika camera (figure 2-2) was equipped with interchangeable Linhof 90-mm Super Angulon f 5.6 and 250-mm Tele-Arlon f 5.6 lenses. The film used for the Linhof camera was 5-in. Kodak Ektachrome QX 868 (ASA 64), natural color (5017 emulsion), thin base. The NASA-modified Rolleiflex 70-mm camera was equipped with Zeiss 50-mm Distagon f 4.0 and 250-mm Sonnar f 5.6 lenses. The film used in this camera was Kodak Ektachrome natural color Professional 5017 (ASA 64), standard base. The Nikon F3 and F4 35-mm cameras were provided with interchangeable 35-to-70-mm zoom, 28-mm f 2.8, and 20-mm f 2.8 autofocus lenses. The film used in the Nikon cameras was 35-mm Kodak Ektachrome natural color Professional 5017 (ASA 64), standard base, and Kodak natural color Ektapress 5030 (ASA 1600), standard base. This letter film was used exclusively in the Nikon F3 to photograph the aurora australis. All photographs were taken through the windows of the Shuttle Orbiter (figure 2-3).

Data recording modules (DRMs) were installed on the camera magazines. The Hasselblad and Linhof DRMs recorded the date, time to the nearest second in Greenwich mean time (GMT), DRM number, frame number, and mission number. These modules can be removed by the crew and reinstalled on other magazines when magazines are flown without a module. The DRM on the Nikon F4 camera magazine recorded the days, hours, minutes, and seconds, whereas the Nikon F3 DRM recorded only the hours, minutes, and seconds. The Rolleiflex DRM recorded only the days, hours, and minutes.

QX 868 has the same emulsion as Professional 5017 film, except it is coated on a thin base material to provide more frames per roll.

The date and time imaged on each photograph by the DRM are used in conjunction with orbital mechanics data recorded during the mission to compute the Orbiter nadir position in latitude and longitude, the orbit number, the altitude, and the sun elevation and azimuth for each camera exposure. The data for the Hasselblad, Linhof, and Nikon F4 are computed for each second of time; no data for the Nikon F3 could be determined because the day was not available. The data for the Rolleiflex are computed for each recorded minute of time. Since several photographs are often exposed in close sequence and show the same time to the minute, these images will have the same set of computed data. The data are described further in section 4, table 4-2, and are listed in tables 4-3 and 4-4.



Figure 2-1.- NASA-modified Hasselblad 500 EL/M camera.

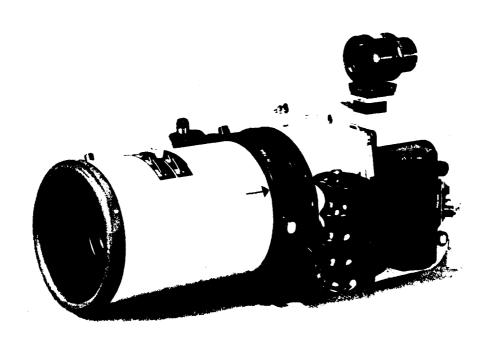


Figure 2-2.- Linhof Aero Technika camera.

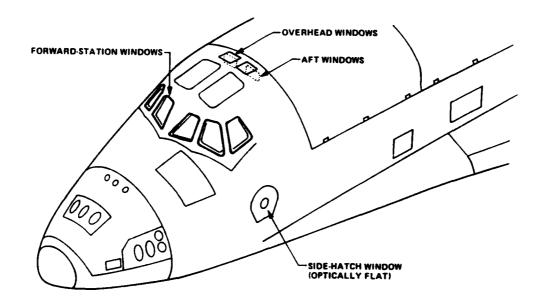


Figure 2-3.- Location of windows in the Shuttle Orbiter.

3. PHOTOGRAPHY NUMBERING, SOURCES, AND ORDERING PROCEDURES

3.1 NUMBERING OF PHOTOGRAPHY

Photographs are ordered using the mission, roll, and frame numbers as listed in section 4, tables 4-3 and 4-4. For example, STS-39-74-51 is the photo-ordering number for frame 51 of roll 74 from Mission STS-39.

3.2 PHOTOGRAPHY SOURCES AND ORDERING PROCEDURES

Earth-viewing Shuttle photography may be obtained from the following sources:

U.S. Geological Survey EROS Data Center Sioux Falls, SD 57198

Telephone: (605) 594-6151

Technology Applications Center University of New Mexico Albuquerque, NM 87131

Telephone: (505) 277-3622

Media Services Branch Still Photography Library NASA Lyndon B. Johnson Space Center P.O. Box 58425, Mail Code AP3 Houston, TX 77258

Telephone: (713) 483-4231

The FSSO recommends that you visit a viewing center to select the image best satisfying your requirements before ordering a photograph. In addition to the sources listed above, table 3-1 provides a list of viewing centers. The Earth Sciences Information Center (ESIC), U.S. Geological Survey, has six branches currently equipped with Shuttle photography microfilm and catalogs. Other organizations similarly equipped are the NASA Ames Research Center, California; the Library of Congress; the University of California at Santa Barbara; the Lunar and Planetary Institute, Houston; and the Smithsonian Institution. These centers provide excellent browse/viewing capabilities helpful in ordering photographs.

TABLE 3-1.- PHOTOGRAPHY VIEWING CENTERS

[All of these centers receive microfilm and catalogs.]

NASA — NASA DATA FACILITY

Bldg. 240, Rm. 219 (M.S. 240-6) NASA Ames Research Center Moffett Field, CA 94305 (415) 604-6252

U.S. GOVERNMENT - LIBRARY OF CONGRESS

Geography & Map Division Rm. B-01, Library of Congress Madison Memorial Bldg. 1st and C Streets SE Washington, DC 20540 (202) 707-6277

UNIVERSITY ESIC AFFILIATE

Map and Image Laboratory and Library University of California Santa Barbara, CA 93106 (805) 893-2779/(805) 893-4049

LUNAR AND PLANETARY INSTITUTE

Planetary Image Center 3303 NASA Rd. 1 Houston, TX 77058 (713) 486-2136

SMITHSONIAN INSTITUTION

Air and Space Museum Archives Division, Rm. 3100 6th and Independence Ave., SW Washington, DC 20560 (202) 357-3133

EARTH SCIENCE INFORMATION CENTERS (ESICs) U.S. GEOLOGICAL SURVEY

Anchorage — ESIC 4230 University Dr. Rm. 101 Anchorage, AK 99508-4664 (907) 786-7011/FTS (907) 271-4320

Lakewood — ESIC Box 25046, Federal Center (M.S. 504) Denver, CO 80225 (303) 236-5829/FTS 776-5829

Menlo Park — ESIC Bldg. 3, Rm. 3128, (M.S. 532) 345 Middlefield Rd. Menlo Park, CA 94025 (415) 329-4390/FTS 459-4390 Reston — ESIC 507 National Center Reston, VA 22092 (703) 648-6045/FTS 959-6045

Rolla — ESIC 1400 Independence Rd. Rolla, MO 65401 (314) 341-0851/FTS 759-0851

Stennis Space Center — ESIC Bldg. 3101 Stennis Space Center, MS 39529 (601) 688-3544/FTS 494-3544

4. FILM AND CATALOG LISTINGS

A diagram illustrating time sequence per roll of film exposed during Mission STS-39 is presented in figure 4-1, and a compact photographic summary correlating roll numbers with film used during the mission is provided in table 4-1.

The photography is cataloged and presented in two listings, with table 4-2 providing an explanation of the column headings used in the listings in tables 4-3 and 4-4. Table 4-3 is listed by roll/frame sequence, and table 4-4 is listed by geographic name.

As depicted in figure 4-1, many of the rolls were exposed during the same time period, generally over the same subject area, often with different focal length lenses, and occasionally with different types of film. Therefore, a user can easily search table 4-3 or 4-4 either to correlate different focal length photography taken at approximately the same time over the same subject or to compare natural color with color infrared film.

TABLE 4-1.- PHOTOGRAPHIC SUMMARY FOR MISSION STS-39

ROLL NUMBERS	TYPE OF FILM	COMMENTS
HAS	SSELBLAD CAMERAS WITH	DRM
71-75, 77, 79-81, 83-86, 93-98	Kodak natural color Ektachrome Professional 5017, ASA 64, standard base	Roll 72 had no time data.
87-90	Kodak Aerochrome Color Infrared 2443, ASA 160	Roll 88 had no time data.
	LINHOF CAMERA WITH DRM	Л
151	Kodak natural color Ektachrome QX 868 (5017 emulsion), ASA 64, thin base	
RO	LLEIFLEX CAMERA WITH D	RM
601-610, 612	Kodak natural color Ektachrome Professional 5017, ASA 64, standard base	Roll 606 had no time data.
	NIKON CAMERA WITH DRM	
2, 17, 24	Kodak natural color Ektachrome Professional 5017, ASA 64, standard base	Only frames with Earth observations were plotted.
22, 23, 25, 28, 332, 342, 364, 367, 377	Kodak natural color Ektapress 5030, ASA 1600, standard base	Aurora australis photography

NOTE: Of the total 3628 frames of Hasselblad, Linhof, Rolleiflex, and Nikon photography acquired during Mission STS-39, 3396 frames were Earth viewing.

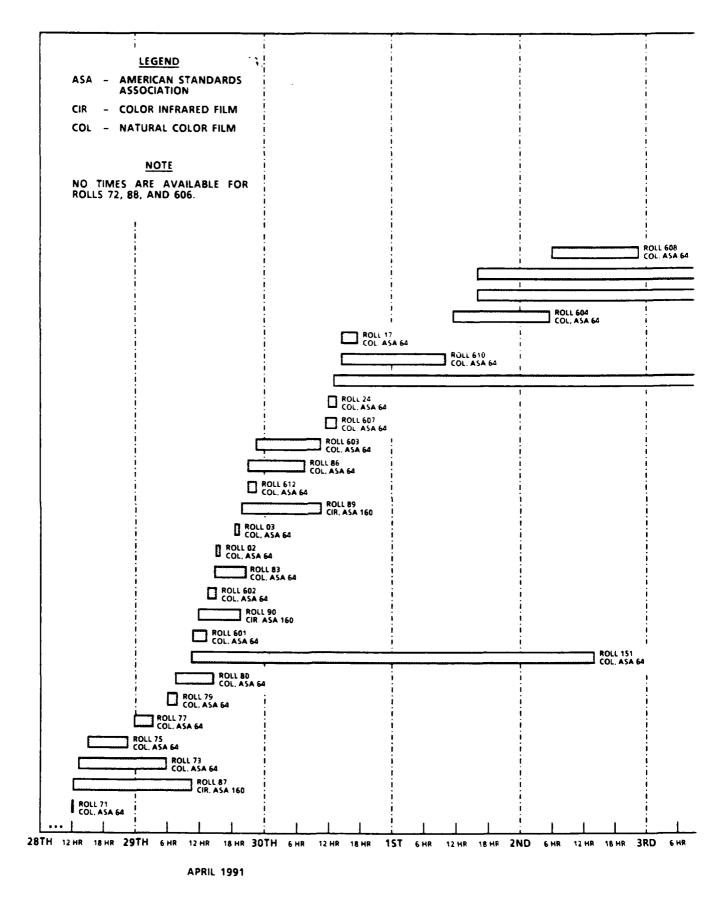
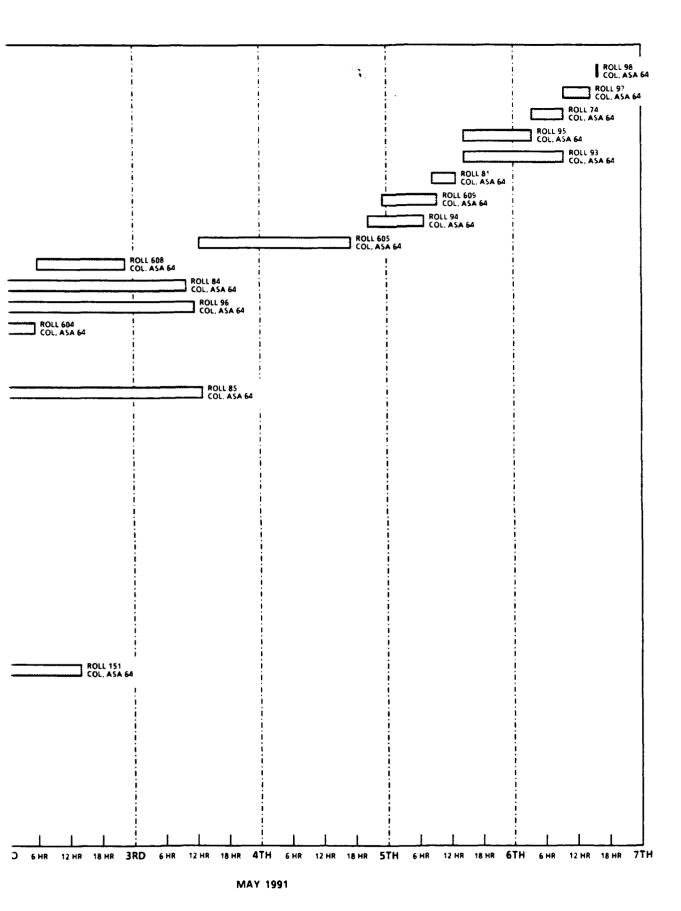


Figure 4-1.- Mission STS-39 time sequence

4-3 + H



1 STS-39 time sequence per roll of film.

TABLE 4-2.- EXPLANATION OF COLUMN HEADINGS USED IN TABLES 4-3 AND 4-4

RL

Number assigned to each roll of film

FR

Frame number for the photograph

GEOGRAPHIC NAME

Usually the country where the center point of the photograph is located; may also be the name of an island chain, ocean, sea, or a single island if that is the only land in the photograph

FEATURE

Feature of interest within the photograph (e.g., name of a specific landform, cloud pattern, etc.)

CENTER LAT, LON

Latitude and longitude, determined to the nearest tenth to full degree, of the center point of the photograph

NADIR LAT. LON

Coordinates, determined to the nearest tenth of a degree, of the point directly beneath the spacecraft

CC

Percentage of cloud cover

TL

Tilt of the camera from Shuttle nadir:

HO - High oblique (includes the horizon

LO - Low oblique NV - Near vertical

FL

Focal length of lens used:

Hasselblad - 50 mm, 100 mm, 250 mm

Linhof – 90 mm, 250 mm Rolleiflex – 50 mm, 250 mm Nikon – 20 mm, 28 mm, 35-to-70-mm zoom

\mathbf{E}

Photographic exposure:

O – Overexposed N – Normal exposure

U - Underexposed F - Unsharp focus

S

Possibility of a stereopair, either adjacent frames or frames relatively near on the same roll of film:

 $\begin{array}{ccc}
N & - & No \\
Y & - & Yes
\end{array}$

DATE

Year, month, and day the photograph was taken

GMT

Greenwich mean time of photographic acquisition

AL

Shuttle altitude in nautical miles

SUN AZ

At the Shuttle nadir, the horizontal angle (azimuth) measured from north clockwise to the Sun

SUN EL

Sun elevation angle at Shuttle nadir (measured from horizontal)

OR

Orbit number

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME

			100		DIR						2
R	FR	GEOGRAPHIC NAME		LAT LON LAT	LAT LON (CC TL	FLES	DATE	GMT AL	A.	EL OR
7	16	ALGERIA	TADEMAIT PLAT, GR. ERG OR. 28.5N	4 4.0E	1	10 HO	35 N Y				
~	17	ALGERIA	TADEMAIT PLAT, MOUYDIR MT 26.0N	4 4.0E		5 HO	35 N N				
7	18	ALGERIA				10 HO	Z				
7	19	ALGERIA			4	40 HO	Z				
~	20	OCEAN	CELLS			70 HO	z				
7	21	OCEAN	STORMS. PROTR. CONV. CELLS		•		z				
7	22	OCEAN	STORMS, PROTR, CONV. CELLS		•						
7	23	OCEAN	STORMS, PROTR, CONV, CELLS		w		Z				
7	24	OCEAN	STORMS, PROTR, CONV. CELLS				z				
2	25	OCEAN	STORMS, SUN		. , ¬		Z				
~	26	OCEAN	STORMS, SUN		••	70 HO	35 N Y				
7	23	OCEAN	STORMS, SUN		•	20 년	35 N Y				
7	28	ATMOSPHERIC LIMB	SUNSET-LEFT SIDE FRAME			오	35 N N				
7	58	ATMOSPHERIC LIMB	BRIGHT-LEFT SIDE			오	_				
2	30	ATMOSPHERIC LIMB	SUNSET-LEFT SIDE FRAME			웆					
ო	S	ATMOSPHERIC LIMB	BRIGHT-SUN AT RIGHT SIDE			오	0				
ო	9	ATMOSPHERIC LIMB	BRIGHT-SUN AT RIGHT SIDE			오					
ო	7	ATMOSPHERIC LIMB	BRIGHT-SUN AT RIGHT SIDE			오					
<u>س</u>	æ	ATMOSPHERIC LIMB	SUNSET			皇	35 N N				
က	6	ATMOSPHERIC LIMB	SUNSET			皇	_				
•	,					9	:				
· ·	22		AI LEFI			₽	Z				
ന	11		AT LEFT			오	2				
က	12		FADE AT LEFT SIDE			皇	Z				
က	13	ATMOSPHERIC LIMB	BRIGHT-ENLARGEMENT			오	0				
ო	15	PACIFIC OCEAN	LOW IN GULF OF ALASKA		~	85 HO					
m	16	PACIFIC OCEAN	LOW IN GULF OF ALASKA		~	85 HO	0				
17		ATMOSPHERIC LIMB	BRIGHT, MOON			皇	0				
17	7	ATMOSPHERIC LIMB	BRIGHT, MOON			웆	0				
17	ო	ATMOSPHERIC LIMB	BRIGHT, MOON			皇					
17	4	OCEAN	CLOUDS		-	95 LO	35 U N				
17	ď	OCEAN	CLOUDS. GRAVITY WAVES		J	95 LO	35 N N				
17	9	CANADA - PE I	NORTHUMBERLAND STR. 46.5N	4 63.5W	•••	10 LO	35 N N				
17	7	CANADA-NS	LAWR.		,- -		Z				
17	د	OCEAN					=				
22	7	AURORA	AUSTRALIS			오	z				
22	Φ	ATMOSPHERIC LIMB	MOOM			오	35 O N				
22	7	ATMOSPHERIC LIMB	MOOM			웊	35 O N				
22	æ	AURORA	AUSTRALIS			웆					
22	6	AURORA	AUSTRALIS			오					
22	2	AURORA	AUSTRALIS			오	35 N N				

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

Nis	AZ SUN EL OR																																														
	GMT AL																																														
	DATE																																														
	FL E S	2	z	2	2		0))	z	z	Z	S N	:	2		z	35 N N	2	2	2	- Z	: =	2 2	n	Z	Z	: z	2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	٠	20	20	0	0	5 0		0	35 N N	2		2	. Z	2	2 2	2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	CC TL	全	오	유	£	2 9	2 5	2	유	오	오	오	-	₽	오	오	9	유	유	9	9	2 9	2 5	₽	유	GH.	9	2 9	2 9	2 :	9	웃	웃	유	오		9	오	9	오	오	운	9	2 오	2 5	2 5	<u>ا ڊ</u>
07004	LAT LON																																														
CONTRO	LAT																																														
	FEATURE	IΊ	AUSTRALIS	NOOM	NOOM	NOOM	F10100	- 1	=	AUSTRALIS	AUSTRALIS	AUSTRALIS			AUSTRALIS	AUSTRALIS	AUSTRALIS	Ξ	AUSTRALIS	AUSTRALIS	_	AUSTRALIS	; :	AUSTRALIS	AUSTRALIS	AUSTRALIS	ALISTRAL TS	ALCTOR TO	3 5	מכאכ פר	-K16H1	-RIGHT	BRIGHT-RIGHT SIDE	BRIGHT-RIGHT SIDE	BRIGHT-RIGHT SIDE		œ	AUSTRALIS-ELLIPTICAL	AUSTRALIS-ELLIPTICAL	AUSTRALIS-ELLIPTICAL	AUSTRALIS-ELLIPTICAL	Ξ	AUSTRALIS-ELLIPTICAL	AUSTRALIS-ELLIPTICAL		2 2	: 1
	GEOGRAPHIC NAME	AURORA	AURORA	ATMOSPHERIC LIMB					AURORA	AURORA	AURORA	AURORA		AUROKA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	Allegea	40000 V	A DAOR	AURORA	AURORA	AIBOBA	A GOOD A	ATMOSBUEDT - STADE				ATMOSPHERIC LIMB	ATMOSPHERIC LIMB	ATMOSPHERIC LIMB		ATMOSPHERIC LIMB	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AUBORA	
	FR	11	12	13	14	. 4	7 4	01	17	18	19	20	;	17	22	23	24	52	56	27	28	20	9 6	20	31	32		2 2	י ט ני	3 1	4	က	9	7	œ	,	on.	9	11	12	13	14	15	16	17	18	
	æ	22	22	22	22	2 2	32	77	22	55	22	22		77	22	22	22	22	22	22	22	22	1 ;	77	22	22	22	,	33	7 6	5.3	23	23	23	23	;	53	23	23	23	23	23	23	23	23	23	:]

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

RL	۲. ع	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LGN) J	FL E S	DATE	GMT AL	AZ SUN	a
23	19	AURORA	AUSTRALIS-ELLIPTICAL			운	35 N N				
23	50	AURORA	AUSTRALIS-ELLIPTICAL			오	Z				
23	21	AURORA	AUSTRALIS-ELLIFTICAL			오	z				
23	22	AURORA				오					
23	23	AURORA	AUSTRALIS-ELLIPTICAL			오	Z				
23	24	AURORA	AUSTRALIS-ELLIPTICAL			오	z				
23	25	AURORA	AUSTRALIS-ELLIPTICAL			오	35 N N				
23	92	AURORA				오	Z				
23	2.7	AURORA				웆	z				
23	88	AURORA	AUSTRALI & "ELLIPTICAL			皇					-
23	59	AURORA	AUSTRALIS			오	z				
23	30	AURORA	AUSTRALIS			웆	35 N N				
23	31										
23	32	AURORA	AUSTRALIS-RED CROWN			유	2				
23	33	AURORA	AUSTRALIS-RED CROWN			皇	35 N N				
23	34	AURORA	AUSTRALIS-RED CROWN			皇	Z				
23	35	AURORA	AUSTRALIS-RED CROWN			皇					
23	36	AURORA	S-RED			오	2				
23	37	AURORA	S-RED			오	Z				
23	38	AURORA	AUSTRALIS-RED CROWN			皇	z				
24	-	TURKEY	EUPHRATES RIVEK BASIN	37.5N 39.0E		90 FO	35 N N				
24	د،	TURKEY	RIVER	37.5N 38.5E			Z				
24	က	IRAQ	LAKE				2				
24	97	SUDAN				50 LO	9				
24	27	SUDAN	WHITE NILE				35 0 Y				
24	82	SUDAN	WHITE NILE, VEHY DARK			70 60					
52	7	AURORA				오	2				
52	က	AURORA	AUSTRALIS			웆	z				
52	4	AURORA	AUSTRALIS			오	_				
52	2	AURORA	AUSTRALIS			유	35 N N				
25	9	AURORA	AUSTRALIS			유	35 N N				
25	7	AURORA	AUSTRALIS			오	z				
52	80	AURORA	AUSTRALIS			皇					
25	Ø	AURORA				皇	2				
52	10	AURORA	AUSTRALIS			오	z				
52	11	AURORA				皇					
52	12	AURORA				皇	2				
52	13	AURCRA				오	2				
52	14	AURORA	AUSTRALIS			皇	2 .				
52	15	AURORA	AUSTRALIS			외	35 N N				

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

OR									-											-											2222								
SUN																												12 47											
AZ																																							
T AL																															43 118								
GMT																											115312	115328	115336	115543		115551	115551	115551 115602 115630	115551 115602 115630 115638	115551 115602 115630 115638 115640	115551 115602 115630 115638 115640	115551 115602 115630 115638 115640 115645	115551 115602 115630 115638 115640 115645 115658
DATE																										19910428	19910428	19910428	19910428	19910428		19910428	19910428	19910428 19910428 19910428	19910428 19910428 19910428	19910428 19910428 19910428 19910428	19910428 19910428 19910428 19910428 19910428	19910428 19910428 19910428 19910428 19910428 19910428	19910428 19910428 19910428 19910428 19910428 19910428
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TL FL	<u>س</u>			HO 35		HO 35	HO 35	HO 35	HO 35	HO 3	33 HO	e	က	HO 35	HO 33	m	က	ന	ຕ	HO 33	£ 3	HO 3	HO 3	HO 35						NV 250		NV 250							
. ၁၁		I	T	_	1	_	1	_	_	_	_	_		1.	_	_			_	_		_	_	_	_					65 N		15 A							
NADIR LAT LON																										8.3W	3.4W	4.5W	4.3W	10.7E		11.5E	11.5E 12.7E	11.5E 12.7E 15.6E	11.5E 12.7E 15.5E 16.3E	11.5E 12.7E 15.6E 16.3E	11.5E 12.7E 15.6E 16.3E 16.5E	11.5E 12.7E 15.5E 16.3E 16.5E 16.5E	11.5E 12.7E 15.5E 16.3E 16.5E 16.7E 16.7E
LAT																										57.2N	57.0N	56.8N	56.7N	54.3N		54.1N	54.1N 53.8N	54.1N 53.8N 53.0N	54.1N 53.8N 53.0N 52.8N	54.1N 53.8N 53.0N 52.8N	54.1% 53.8N 53.0N 52.8N 52.7N 52.7N	54.1N 53.8N 53.0N 52.8N 52.7N 52.7N	54.1N 53.8N 53.0N 52.6N 52.7N 52.7N 52.7N
NO.																													₩6.	10.5E									
CENTER LAT LON																										58.0N	57.5N	57.5N	. 2N	54.5N			55.0N 54.5N	55.0N 54.5N	55.0N 54.5N	55.0N 54.5N	55.0N 54.5N	55.0N 54.5N	55.0N 54.5N
FEATURE	AUSTRALIS	AUSTRALIS	AUSTRALIS	AUSTRALIS	AUSTRALIS-WINDOW FLARE	AUSTRALIS	AUSTRALIS-DARK	AUSTRALIS-1/8 FRAME	AUSTRALIS	AUSTRALIS	AUSTRALIS-SM.GREEN PROM.	AUSTRALIS-SM.GREEN PROM.		AUSTRALIS-GREEN/RED CRWN	AUSTRALIS-GREEN/RED CRWN	AUSTRAL : S-GREEN CROWN			AUSTRALIS	AUSTRALIS	AUSTRA! IS	AUSTRALIS	AUSTRALIS	AUSTRALIS	s		SCOTLAND-MORY FIRTH	SCOTLAND-NW PART-PETERHE	ID-ARBI	BAITIC SEA-N OF HAMBURG		FALSTE9-HAZY				<u>*</u>	* *		LSTER-HAZY RALSUND OUDS-AGR-EXTERNAL OUDS-AGR-EXTERNAL JUDS-EXTERNAL TANK JS-EXTERNAL TANK JS-EXTERNAL TANK UUDS-EXTERNAL TANK
GEOGRAPHIC NAME		AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	ATMOSPHERIC LIMB	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA	AURORA		BRITAIN	BRITAIN	BRITAIN	GERMANY		DENMARK	DENMARK GERMANY	DENMARK GERMANY POLAND	DENMARK GERMANY POLAND POLAND	DENMARK GERMANY POLAND POLAND POLAND	DENMARK GERMANY POLAND POLAND POLAND	DENMARK GERMANY POLAND POLAND POLAND POLAND	DENMARK GERMANY POLAND POLAND POLAND POLAND
8	16	11	18	19	50	2.1	22	19	20	21	22	23	24	25	97	27	28	59	30	31	32	33	34	35	36	0 V	-	7	ю	4		s	တ မ	5 6 7	2 9 7 8	2 to 1 to 25	2 9 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	5 7 7 8 8 5 10	5 7 8 8 11 12 12
۳ ا	25	25	25	25	25	55	25	28	28	28	28	28	28	8.	28	28	28	28	28	28	28	28	28	28	28	7.1	7.1	7.1	71	7.1		7.1	71	71 17 17	71 71 71 71	17 17 17 17	17 17 17 17 17	71 71 71 71 71 71	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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Ŗ	FR GEO	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	N LAT LC	DIR LON	CC 7.	FL E S	DATE	GMT	٩٢	AZ SUN	EL 0	 8
71		POLAND	CLOUDS-EXTERNAL TANK		51.3N	20.5E	80 10	250 N Y	19910428	115724	123	210 4	6	2
7.1	16 POL	POLAND	CLOUDS-EXTERNAL TANK		50.5N	22.4E	95 LO	250 N N	19910428	115746	124	214 4	6	2
71		CLOUDS	CLOUDS-EXTERNAL TANK		49.8N	24.1E	80 HO	250 N N	19910428	115807	125	217 4	6	2
7.	18 CLO	CLOUDS	CLOUDS-EXTERNAL TANK		47.9N	28.1E	100 LO	250 N N	19910428	115857	127	224 4	48	7
		CLOUDS	CUMULUS-CIRRUS		46.5N	30.6E	95 HO	250 N N	19910428	115931	128	-	∞	2
	_	CLOUDS	CUMULUS-CIRRUS		46.2N	31.1E	95 10	250 N N	19910428	115937	128	•	84	2
		BLACK SEA	CLOUDS		46.0N	31.5E	85 LO	z	19910428	115943	128	-	8	2
		USSR-EUROPEAN	SIMFEROPOL-BLACK SEA	.ON 34	.0E			2		120045	131	-	41	7
	_	USSR-EUROPEAN	SIVASH LAKE-SEA OF AZOV	34	.5E 43	35.8E				120047	131	-	47	7
77	24 USSI	USSR-EUROPEAN	SEVASTOPOL-BLACK SEA	44.5N 34.	.0E 43.1N	36.0E	0 0	250 N N	19910428	120050	131	238 4	47	7
71	25 USSI	USSR-EUROPEAN	LAKE SIVASH-KIROVSKOYE	45.0N 35.	.0E 42.8N	36.3E	40 LO	250 N Y	19910428	120055	131	239 4	-	- 7
71		USSR-EUROPEAN	CRIMEAN PEN BLACK SEA	.ON 35	.5E 42.4N	36.9E	20 10	250 N Y	19910428	120105	131	240 4	47	2
		TURKEY	VALLEYS, RIVERS, HAZE		41.1N	38.7E	10 LO	250 N N	19910428	120133	132	243 4	46	2
	_	IURKEY	HARSIL RIVER, MOUNTAIN	40.0N 39.	.5E 40.0N	40.1E	35 NV	250 N Y	19910428	120157	133	245 4	45	~
		TURKEY	•	41.0N 39.	. 5E			250 N Y	19910428	120202	133		45	7
	•	TURKEY	DOGU KARADENIZ MNTSCST	0N 41	.0E 39.	40.9E		z	19910428	120211	133		2	2
	_	KEY	. PLUME	.5N 41	5E	41		2	19910428	120219	133		45	7
	32 TURI	IURKEY	TS. NE OF L. VAN	.0N 42	.0E 37.	42		z	19910428	120242	134		44	~
	_	URKEY	TATVAN, L. VAN	.5N 42	.0E 37.3N	43.0E		250 N Y	19910428	120251	134	251 4	44	7
7.1	34 IRAQ	0	TIGRIS RRESERVOIR	37.0N 42.	.5E 36.9N	43.6E	10 NV	250 N Y	19910428	120301	134	252 4	4 4	7
,,	35 TDAO	c	TIGBLE B. BESEBYOTE	77 ON 42	SE 36 7N	A 2 7E	-	25.0 M	10010420	120304	125	26.2	3	
		» چ		27				2 :	07407661	100001	200		•	,
		، د	<u>.</u>	.5N 43	. UE 36	4		Z	19910428	120306	135		4	7
		0	•	4	36	44		Z	19910428	120311	135		φ.	2
		Q	TIGRIS RRESERVOIR	.5N 42		44		Z	15910428	120315	135	253 4	<u></u>	7
	_	0	TALL'AFAR-TIGRIS RIVER	.5N 42		4		z	19910428	120317	135	253 4	<u>ლ</u>	7
		0		.5N 42		4		Z	19910428	120319	135	m	೮	7
		O.	GRIS	.5N 43	.0E 35.8N	44.7E		z	19910428	120322	135	4	43	7
		0	GRIS	.5N 43	35.	44.8E	5 10	z	19910428	120325	135	•	43	7
71	43 IRAQ	0		. ON 43	35.	45.1E		250 N Y	19910428	120330	135	4	43	7
7.1	44 IRAQ	Q	TIGRIS RLITTLE ZAB R.	36.0N 43.	.5E 35.3N	45.2E	07 0	250 N Y	19910428	120332	135	255 4	43	7
7.1	45 IRAQ	0	LITTLE ZAB R.	36.0N 44	4.0E 35.1N	45.4E	0 - 0	250 N Y	19910428	120336	135	255 4	43	~
71		. 0	KIRKUK-LITTLE ZAB R.	5N 4	35	45.5E	0 0	250 N Y	19910428	120338	135		43	2
7.1	47 IRAO	. 0	E LNS	5N 4		46.1E	0 0		19910428	120350	136		42	7
7.1	48 IRAO	. 0	AIR BASE-TIGRIS	.5N 43		46		2	19910428	120355	136		42	7
7.1		. 0	SA'DIY	.0N 45		46.		2	19910428	120405	136		42	2
71	50 IRAQ	Q	TIGRIS RSE OF BAGHDAD	33.0N 45	.0E 33.0N	47.4E	0 70	250 N Y	19910428	120417	136	258 4	41	7
7.1		0	œ	. ON 4				250 N Y	19910428	120419			41	7
7.1		Ō	RSALT	.5N 4	32.	47		250 N Y	19910428	120421			41	2
11	eo .	0		.5N 45	32.			250 N Y	19910428	120427	136		41	7
-1	54 IRAQ	0)	DOVEYRIL STREAM	32.0N 47	.5E 31.8N	48.5E	65 NV	250 N N	19910428	120441	136	7 097	-	~
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENT	2	NAN	_							SUN	_	
7	F.R	GEOGRAPHIC NAME	FEATURE	LAT LON	LON	LAT LON	LON	CC TL	H	E S	DATE	GMT	F	AZ	밃	ä
71	55	IRAN	AHVAZ-KARUN RIVER	31.5N	48.5E	31.0N	49.2E	60 NV	250		19910428	120456	137	261	40	7
71	99	IRAN	NEAR AHVAZ-KARKHEH R.	31.5N	48.5E	30.9N	49.2E	70 NV	250	> 2	19910428	120458	137	262	40	7
71	57	IRAN	NW OF AHVAZ-KARUN RIVER	31.5N		30.5N	49.6E	80 NV	250		19910428	120506	137	262	40	7
7.1	58	IRAN	WATER.COAST-PER G	30.5N	5E		49.9E		250	> Z	19910428	120513	137	263	39	7
7.1	29	IRAN	WATER, COAST-PER G	30.0N			50.0E	N O	250	> 2	19910428	120516	137	263	39	7
7.1	9	IRAN	STREAM-PERSIAN G	30.5N	50.0E		50.1E		250	> 2	19910428	120518	137	263	39	2
71	61	KUWAIT	S OIL FIELD-CLOUDS	30.0N	48.0E	¥.	50.5E		250	>	19910428	120527	137	264	39	7
71	62	KUWAIT	011	30.0N	48.0E	NE.	50.7E		250	> 2	19910428	120530	137	264	39	7
7.1	63	KUWAIT	OIL	29.0N	48.0E	တ်	50.9E		250	_	19910428	120536	137	264	39	7
11	64	KUWAIT	OIL	29.0N	48.0E	28.7N	51.1E	25 LO	250		19910428	120541	137	265	38	7
;	;		į	;			•						,		6	•
7	65		IL FIELD-SMOKE	29.0N	48.0E	٠. د	. 2E			> : Z :	19910428	120543	13/	265	200	7
71	99		FIELD			28.3N	1.4E				19910428	120548	137	265	38	7
17	67	PERSIAN GULF	OIL FIELD SMOKE-ENTIRE F			27.3N	2.3E	100 LO			19910428	120608	138	566	37	7
71	68	PERSIAN GULF	•			27.2N	52.4E	90 LO		z	19910428	120610	138	266	37	7
7.1	69	SAUDI ARABIA	PERSIAN GALJUBAL-SMOKE	27.5N	50.0E	27.1N	52.4E			z	19910428	120612	138	267	37	7
71	70	SAUDI ARABIA	KUWAIT SMOKE-CLOUDS			26.9N	52.6E	07 09		z	19910428	120615	138	267	37	7
71	7.1	PERSIAN GULF	IRANIAN CST-BUSHEHER	28.5N	51.0E	26.8N	52.6E	5 LO	250	z	19910428	120617	138	267	37	7
71	72	PERSIAN GULF	KUWAIT SMOKE-ENTIRE FRAM			26.7N	52.7E 1	100 LO	250		19910428	120619	138	267	37	2
71	73	SAUDI ARABIA	PG CST-SMOKE-RAHIMAH	27.0N	50.0E	26.6N	52.8E	0 0	250		19910428	120621	138	267	37	~
71	74	SAUDI ARABIA	PG CST-SMOKE-AR RIYAS	27.0N	50.0E	26.3N	53.0E	0 0	250	≻ Z	19910428	120626	138	267	37	7
11	75	SAUDI ARABIA	PERSIAN G. CST-SMOKE	27.0N	49.5E		53.2E				19910428	120630	138	268	37	2
71	9/	BAHRAIN	SMOKE	ė.	50.5E		က				19910428	120632	138	268	36	7
71	11	PERSIAN GULF		26.5N	51.5E	25.9N	ω.		250	z	19910428	120634	138	268	36	7
71	78	PERSIAN GULF	COAST-KUWAIT				53.5E		250	7	19910428	120638	138	268	36	7
71	79	SAUDI ARABIA	SAUDI COAST-KUWAIT SMOKE	26.5N		25.5N	€.	0 0		z z	19910428	120641	138	268	36	7
71	80	QATAR	COAST-DOHA	25.5N	. 5E	25.4N		07 0		2	19910428	120644	138	569	36	7
71	81	PERSIAN GULF	QATAR COAST	26.0N	52.0E	25.3N	53.8E		250		19910428	120646	138	269	36	7
71	82		KUWAIT SMOKE, LAND			25.1N	53.9E	55 LO	250	z z	19910428	120649	138	269	36	7
7.1	83	PERSIAN GULF	NORTH COAST QATAR	26.0N	52.0E	25.0N	54.0E		250		19910428	120651	138	569	36	~
7.1	84	PERSIAN GULF	INT WAVES-SMOKE-DAYYINAH	25.0N	52.5E	24.6N	54.3E	2 10	250		19910428	120659	138	569	35	7
71	85	UNITED ARAB EMIRATES	SIR BANI YAS-PERSIAN G.	24.0N	52.5E	24.3N	54.5E	5 LO	250	>	19910428	120704	138	270	35	2
7.1	98	UNITED ARAB EMIRATES	AL FIYYA, MARAWIH, OIL CST	24.5N		24.1N	54.7E	10 LO	250	> 2	19910428	120707	138	270	35	7
7.1	87	UNITED ARAB EMIRATES	AL JIRAB-OIL ON COAST	24.0N	53.5E	4.0N	54.7E	0 0	250	×	19910428	120709	138	270	35	7
71	88	UNITED ARAB EMIRATES	COAST	24.0N	4	NG.	54.8E		250	×	19910428	120711	138	270	35	2
71	88	UNITED ARAB EMIRATES	8	•	54.0E	₹.	Ω		250	×	19910428	120716	138	270	35	7
7.1	06	UNITED ARAB EMIRATES	COAST-ABU ZABY	24.5N	4.0E	3.6N	55.1E	5 NV	250	×	19910428	120718	138	270	35	7
7.1	91	UNITED ARAB EMIRATES	COAST-PERSIAN GULF	25.0N	54.5E	23.5N	55.1E	5 LO	250	> Z	19910428	120719	138	271	35	7
7.1	85	ARAB		2	5.	. 3N	5.		250	×		120722	138	271	34	7
71	93		ASH SHARIQAH, DUBAYY	•	•	23.2N	S.	15 LO	250	≻ Z		120724	138	271	34	2
7.1	94	UNITED ARAB EMIRATES	ABU ZABY	24.0N	4.	23.1N	55.4E	10 NV	250	z	19910428	120727	138	271	34	7

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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SUN	L																																						
AZ		271																																					
Ą																																							
GMT	400700	120736																																					
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LON	26 75	55.8E																																					
NADIR LAT LON	147 00	22.6N																																					
-	ļ																		M S	MG.	30	37.0W	38.0W	38.0W												25	9	38.0E	
CENTER LAT LON	L																		37.5W																	151.56		•	
<u> </u>		23.0N																	4.58	4.55	5.08	5.08	4.58	4.58												80 BS	60.5N	57.0N	
	l	OKE																	_		CA	Ş	_	_											MAKE				
	3			黑	RE														¥00T	ATI	BRAN	BRA	MOUTH	MOUTH													ENZH	OSCO	
	01140	DUNES-SALT PANS-KUADS	AGRICULTURE	AGRICULTURE	AGRICUL TURE	SC	SC	S	SC	S)	S	SC	SC	SC	S	S	ဗ္ဓ	JAGUARIBE RIVER MOUTH	OF ARACATI	COAST NEAR AREIA BRANCA	COAST NEAR AREIA BRANCA		E RIVER	SC	S	S	SO	S	SC	SC	S	2	2 0	KHOTSK CI	TALIYSK	PEN. PENZHINSK	N. OF MOSCOW	,
	-	ALT	AGRI	AGRIO	AGRI	CLOUDS	CLOUDS	CLOUDS	CLOUDS	CLOUDS		CLOUDS	BE R	s. of	EAR /	EAR 1	BE R	BE R	CLOUDS	CLOUDS	CLOIDS			15)														
FEATURE	1	DUNES-SA	LAKES,	LAKES,	LAKES.	OCEAN,	OCEAN.	OCEAN.	OCEAN.	OCEAN.		OCEAN,	OCEAN,	OCEAN,	OCEAN.	OCEAN.	OCEAN.	OCEAN.	GUARI	COAST S	AST N	AST N	JAGUARIB	JAGUARIB	OCEAN,	OCEAN	OCFAN	OCEAN	SEA OF			VOLGA R.							
FE	1		Y	2	7	8	8	8	Ö	8	1	8	ဗ	ဗ	0	8	8	8	Ą	8	8	8	۲	A.	8	8	8	ဗ	8	8	8	Ö	2	3 5	3 5	1 ×	T	9	
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TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

<u>ه</u>	FR	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON	CC TL FL E S	DATE	GMT	AL	AZ SUN	L OR
72	39	USSR-EUROPEAN	VOLGA R., KUYBYSHEV RES.	55.0N	49.0E		0 LO 250 N N					
72	4	USSR-MIDDLE	LAKE BALKHASH	46.5N	75.5E		LO 250 N					
72	41	USSR-MIDDLE	TIEN SHAN				45 LO 250 N N					
22	42	VIETNAM	MEKONG RIVER DELTA	10.0N	106.0E		45 LO 250 U N					
72	43	AUSTRALIA-WA	Ā	22.58	124.5E		LO 250 N					
72	44	AUSTRALIA-WA	NOY DESERT	20.55	123.0E		5 HO 250 N N					
72	45	AUSTRALIA-WA	GREAY SANDY D., L. AULD	22.55	123.5E		5 LO 250 N N					
72	46	AUSTRALIA-NT	MACDONNELL RANGES	24.05	133.0E		5 LO 250 N N					
72	47	AUSTRALIA-NT		24.05	133.5E		LO 250					
72	48	IRAQ	EUPHRATES RIVER BASIN	31.5N	46.0E		0 LO 250 N N					
72	49	IRAQ	EUPHRATES RIVER BASIN	31.0N	46.0E		0 LO 250 N Y					
72	20	IRAO	EUPHRATES RIVER BASIN	31.0N	47.0E		0 LO 250 N Y					
72	51	IRAQ	S/TIGRIS	30.5N	47.5E							
72	52	IRAO	EUPHRATES R., BASRA	30.5N	48.0E							
72	53	KUWAIT	OIL WELL FIRES/PLUMES	30.0N	48.0E		0 LO 250 N Y					
72	54	IRAN		30.5N	48.5E		LO 250 N					
72	55	IRAN	TIGRIS R. BASIN	31.0N	48.5E		0 LO 250 N Y					
72	26	IRAN	TIGRIS R. BASIN	31.5N	48.5E		0 LO 250 N Y					
72	57	IRAN	TIGRIS R. BASIN	31.5N	48.0E		0 LO 250 N Y					
72	28	IRAN	TIGRIS R. BASIN	32.0N	48.0E		0 LO 250 N Y					
72	29	KUWAIT	WELL	29.5N	48.0E		LO 250 N					
72	9	KUWAIT	WELL	29.5N	48.0E		0 LO 250 N Y					
72	61	KUWAIT	WELL	29.0N	48.0E		LO 250 N					
72	62		WELL	29.5N	48.0E		NV 250 N					
72	63		WELL FIRES	29.5N	48.5E		NV 250 N					
72	64		WELL FIRE	29.0N	48.5E		NV 250 N					
72	65	PERSIAN GULF	WELL FIRE	28.5N	49.5E		LO 250 N					
7.5	99		WELL FIRE	28.0N	50.0E		5 LO 250 N N					
72	67		WELL FIRE	27.5N	50.5E		LO 250 N					
72	68	PERSIAN GULF	OIL WELL FIRE PLUMES	27.0N	51.0E		30 LO 250 N N					
72	69	SAUDI ARABIA	AB JABAYL, SMOKE PLUMES	27.0N	49.5E		5 LO 250 N N					
72	70	USA-NJ	Y	40.5N	74.0W		2					
72	71	USA-CT	•	41.5N	72.0W		NV 250 N					
72	72	USA	. 3				HO 250 N					
72	73	USA	OBL. VIEW SW WHITE SANDS				HO 250 N					
72	74	USA-TX	PALO DURO CANYON	34.0N	101.0W		250 N					
72	75	USA	OK./TX. HIGH PLAINS				75 HO 250 N N					
72	16	USA-NM	SACRAMENTO MTS. W. SANDS		105.0W		皇					
72	72	USA-FL	ORLANDO,	28.5N	81.0W		오 :					
2/		USA-FL	KSC, ORLANDO, TAMPA	28.0N	81.0M		30 HO 250 N N				i	

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

	1	200000		CENTER	NADIR		1			1		اقا	۱,	<u>ر</u>
, إي		GEOGRAPHIC NAME	- 1	- {		3	ŧ	4	NAIE	ES S	¥	AZ A	ᆲ	š
12	5/	USA-FL	TAMPA	8	* 0			Z						_
~	80	USA-FL	ANDO, TAMPA	27.5N 81.	.5W		52 원	250 N N	7					
2	81	USA-FL	TAMPA, L. OKEECHOBE	27.0N 80.	MG.		30 HO	250 N N	2					
2	82	USA-FL	. EVERGLADES	80	.5W		20 HO	250 N N	2					
2	83	BAHAMAS	SLAND	77	36			Z						
2	84	BAHAMAS	CHARNE					2						
2	, K	BAHAMAS	CIAND EXIMA C		3 2			2						
: 2	9 6		;		3 3			2 2						
4 5	9 6	490			B :		בי היים היים	2 2						_
2	200	CUBA		2	32.0			_	-					_
72	88	CUBA	VIEW EAST OF ISLAND	22.0N 79.(3 0.		35 HO	250 N N	-					
?	c	0		9	3			4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_					
v e	n (CUBA			.04			_ `						
2	90	BAHAMAS	IE OF THE OCEAN		3			2	-					
2	91	HAITI	VIEW E. OF HISPANIOLA	19.0N 72.0W	30			250 N N	-					
2	85	DOMINICAN REPUBLIC	VIEW E. OF HISPANIOLA	18.0N 71.0W	MO.		45 HO	250 N N	-					
2	93	VENEZUELA	GULF OF VENEZUELA	10.5N 70.0W	3 6		70 HO	250 N N	-					
72	94	VENEZUELA			* 0				-					
72	95	BRAZIL	VER	•				Z						
2	96	BRAZIL												
72	97	USSR-PACIFIC	A PENINSULA	52,0N 159.0E	0E			0						
72	86	USSR-PACIFIC	KAMCHATKA PENINSULA		0E		50 LO	_	2					
:	;				;			:						
2	66	USSR-PACIFIC	PETROPAVLOVSK	159	.0E			2	-					
75	100	USSR-PACIFIC	¥	159	30.		0 0	Z	-					
72	101	USSR-PACIFIC	KAMCHATKA, PETROPAVLOVSK	158	.5E		5 LO	250 N N	-					
72	102	USSR-PACIFIC	A PENINSULA	157	. 5E				79					
72	103	USA-OR	CRATER LAKE	43.0N 122.0	3 0.			Z	7					
2	104	USA-OR	KE	43.0N 122.(MO.			250 N Y	_					
72	105	USA-CA	KLAMATH RIVER MOUTH	41.5N 121.5W	214		35 LO	250 N N	-					-
73	0 V	A USA-KS	VERDIGRIS R	37.0N 95.5W	36.4N	MO.96	≥	250 N Y	/ 19910428	131029		82	18	ر
73	-	USA-KS	<u>«</u>	37.0N 95.5W	36.8N	95.6W	№	250 N Y	Y 19910428			82	18	<u>е</u>
73	7	USA-KS	PARSONS, NEAR KS-OK BOR.	37.5N 95.(.0W 36.9N 95	5.4W	5 ₹	250 N Y	19910428	131035	143	86	18	ო
6	ო	USA-KS	PARSONS	37.5N 95.0W	37.0N	95.3W	10 NV	250 N Y	/ 19910428	131037	143	86	18	<u>س</u>
2	ᢦ	USA-KS	RG-GIRARD	NS.	37.3N	95.0W	25 NV	250 N Y	19910428	131043	143	86		~
73	S	USA-KS	BURG		37.4N	94.9W		Z				86		ص د
73	9	USA-MO			37.7N	4.7W	15 NV	Z	19910428			86		۳
2	7	USA-MO	HILL-BUTLER	9	37.9N	4.4W						86		
73	œ	USA-MO		94	38.0N	94.3W		Z	-		-	87		<u>~</u>
73	o	USA-MO	8-cronps		38.2N	4.0W		Z				87		۳
73	10	USA-MO	æ	63	38.4N	3.8W		z						<u></u>
73	11	USA-MO		93	₹	3.6W	55 NV		/ 19910428					<u>س</u>
73	12	USA-MO		ON 93	38.7N	3.4W		z			143			<u>س</u>
										1	1			7

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				1820		910							Ū	NIO	
뉱	æ	GEOGRAPHIC NAME	FEATURE	LACE	AT LON LAT	-AT LON	CC T	L FL	E S	DATE	GMT	AL	AZ	E	OR
73	13	USA-MO	MACON-CLOUDS-HAZE	39.5N	92.5W 39.4N	92.7W	50 NV	/ 250	Υ	19910428	131125	144	88	20	က
73	14	USA-MO	MACON-FOWER-HAZE-CLOUDS	39.5N	82.5W 39.4N	92.6W	80 NV	/ 250	> 2	19910428	131127	144	88	21	ო
73	15	USA-MO	NEAR FOWER-CLOUDS-HAZE	40.0N	92.0W 39.6N	92.4W	90 NV	/ 250		19910428	131130	144	88	21	ຕ
73	16	USA-MO	NEAR FOWER-CLOUDS-HAZE	40.0N	98 WO				≻ Z	19910428	131132	144	83	21	က
73	11	USA-MO	NEAR MO-IL BORDER-HAZE	40.0N	96 WO	92.2W		0 2 5 0		19910428	131135	144	83	21	ო
73	18	USA-MO	DES MOINES R., MISS. R.	40.5N	3	92.0M					131137	144	83	21	က
73	19	USA-MO	MISS. RKEOKUK-VERY HZY	40.5N	91.5W 40.2N	91.7W	95 NV	/ 250		19910428	131142	144	83	21	က
73	20	USA-IA	MISS, RFT, MADISON	40.5N	91.5W 40.3N	91.6W	95 NV	/ 250		0428	131145	144	83	21	က
73	21	USA-IA	FT. MADISON-BURLINTON	40.5N	40	91.5W	95 NV		×	19910428	131147	144	83	22	က
73	22	USA-IA	NEAR BURLINTON-MISS. R.	41.0N	91.0W 40.6N	91.2W	95 NV	/ 250	×	19910428	131151	144	90	22	က
73	23	USA-WI	MILWAUKEE-VERY HAZY	43.0N	88.0W 42.6N	88.6W	N 06	/ 250	>	19910428	131234	144	92	24	က
73	24	USA-WI	E-VERY		8.0W 42				>		131236	144	93	24	m
23	25	USA-WI		43.0N	8.0W 42		0				131239		6	24	က
73	56	USA-WI		43.5N	7.5W 43	ω,			> 2		131243	144	93	24	က
73	27	USA-WI	L.MICHIGAN-SHEBOYGAN-HZY	43.5N	43	87.9W			> 2	19910428	131245	144	93	24	က
73	28	USA-WI	L.MICHIGAN-SHEBOYGAN-HZY	44.0N	87.0W 43.3N	87.7W	95 LO			19910428	131249	144	93	24	က
73	53	CANADA	AREA NORTH OF L. HURON		44.0N	86.6₩		0 250		19910428	131306	144	95	25	ო
73	30	CANADA	F L.HURON-S		44.1N	86.4W	20 HO		> 2	19910428	131308	144	95	25	က
73	31	CANADA	AREA N OF L.HURON-S TAIL		44.2N	86.3W	20 HO	250		19910428	131310	144	95	25	က
73	32	CANADA	AREA N OF L.HURON-S TAIL		44.3N	86.2W	20 HO	250		19910428	131312	144	95	97	က
- :	;								:				1		
73	33	CANADA	N OF L.HURON-S		44.3N						131313		95	56	က
73	34	CANADA	F L.HURON		44.5N	9.9₩					131316		95	56	က
73	35	USA-MI	ET VAPOR		45.3N	3€	100 LO				131336		97	27	ო
73	36	USA-MI	ET VAPOR		45.7N	3 6.					131345		96	27	က
73	37	USA-MI	ET VA		45.8N	. 7					131348		86	27	က
73	38	CANADA-0	LOUD		46.1N	83.2W					131355		98	28	က
73	38	CANADA-0	LOUD		46.2N	ლ.	0		≻		131357		98	28	က
73	40	CANADA-0	ğ		46.5N						131403		66	28	က
73	41	CANADA-Q	MANICOUAGAN RESERVOIR	51.5N	8.5W 49.	76.3W	0 0	2		428	152	-	106	32	က
73	45	CANADA-Q	MANICOUAGAN RESERVOIR	51.0N	68.5W 49.8N	76.1W	0 0	250	> Z	19910428	131528	145	107	32	ო
73	43	CANADA-0	MANICOUAGAN RESERVOIR	51.5N	68.5W 50.1N	75.3W	0 0) 250	>	19910428	131537	145	107	32	က
73	44	CANADA-0	MANICOUAGAN RESERVOIR	51.5N	68.5W 50.5N	74.4W		250	> 2		131548		109	32	ო
73	45	CANADA-Q	MANICOUAGAN RESERVOIR	51.5N	68.5W 53.0N	67.4W	07 0	250		19910428	131705		117	36	က
73	46	CANADA-N		54.0N		64.9W	0 N		≻ Z	19910428	131731		120	37	ო
73	47	CANADA-N		54.0N		64.7W	≥	/ 250			131733	146	120	37	က
73	48	CANADA-N	RES	54.0N		64.4W	№	/ 250	> 2	19910428	131736	146	121	37	က
73	48	CANADA-N	RES	54.0N	3€	63.9W			>		131741		121	37	က
73	20	CANADA-N	D RES		3.0W 54.	•	№		>		131745		122	37	က
73	51	CANADA-N	TOK R	┵・	3.0W 54	•		~	> : Z :	· •	Š.		123	37	က
?	2	CANADA-N	KANAIRIKIOK KSNOW-ICE	54.5N	62.0W 54.4N	62.5W	20	220	<u>-</u>	19910428	131755	146	123	88	e

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

	;			CENTER	NADIR	JIR	Ι,		i			;	SUN	Z.	
ا الا	¥ ;	GEOGRAPHIC NAME					۔ اد	.1	.	DATE	¥	H.	AZ.	1	š (
	53	CANADA-N	TOK R	. 5Z	.0₩ 54.	62.1W	2		2		131/59		124	38	·"
	54	CANADA-N	TOK RSNOW-ICE		₹	61.7W	2 €		Z	19910428	131803	-	124	38	ო
	55	CANADA-N		54.5N 61.	.0W 54.7N	61.4W	2 ≥	/ 250		19910428	131806	146	125	38	က
	99	CANADA-N	OK RSNOW-ICE	55.0N 60.	.5W 54.8N	M8.09	10 NV	/ 250	z	19910428	131812		125	38	က
	57	CANADA-N	SNOW-ICE	55.0N 60	.0W 54.9N	60.3W	40 NV	/ 250		19910428	131816	146	126	38	က
	58	CLOUDS	BLACK		55.2N	58.9W			-	19910428	131830	146	128	39	س
	59	CLOUDS	BLACK		S.	58.2W			_	19910428	131836		129	39	n
73	90	CLOUDS	BLACK			34.0W			-		132207		161	46	ო
	61	CLOUDS	BLACK			33.7W			-		132209	146	162	46	က
73	62	ATLANTIC OCEAN	CLOUDS		56.6N	24.6W	100 LO	250	≻ 0	19910428	132327	146	175	47	ر
	63	ATLANTIC OCEAN	Sala		56.6N	24, 4W	100 10	250	C	19910428	132329	146	175	47	~
7.3	7		301013			: -			. >		122221	446	176		
	t 4		כרסחספ		NG. 00	M7.47			- >		135331	941	176	} ;	· ·
	9 9		CLOUDS			73.5			- >	0010420	132334	146	176	47	. «
	67		CLOSES		•	· ~			· >		132334	146	176	4	. ~
23	8	I TNF TS! ANDS	WASHINGTON TSLAND	2	•	160 114			- z		03030	1 28	283	2	. :
	9	DACTET OCEAN TOLAND				155 5W			: 2 : 2		27770	2 0	286	1 4	: ;
	5 2	THANDTH ABCHIDE AGO	MALULM ISLAND			140.58			2 2		03144	120	286	3 «	1 :
		THANDTH ABCHTDEN ACO			7 4	148.0			: =		031500	120	286	•	1 :
	• •	TOTAL DESCRIPTION OF THE PROPERTY OF THE PROPE	UATULUE	2					.		00000	2	9 6	, ,	1 :
	7/	AIMOSPHERIC LIMB			28.33	MC . 651		nc2 1	Z Z	18810429	031806	140	797	-	71
73	73	ATMOSPHERIC LIMB			31.38	136.9W	80 HO	250	z	19910429	032004	141	280	-10	12
73	74	ATMOSPHERIC LIMB	SUN		37.15	131.2W	오	250	2 2	19910429	032159	142	275	-16	12
	75	ATMOSPHERIC LIMB			37.25	131.1W	오		Z		032201	142		-16	12
	9/	ATMOSPHERIC LIMB			37.35	131.0W	오		z		032204	142		-16	12
73	11	ATMOSPHERIC LIMB	VERY DARK		39.58	128.4W	오	250		19910429	032251	142	273	-18	12
	78	TURKEY	COAST-ABAL AN NUSAYRIYAH	36	.0E 35.	35.9E	90 NV	/ 250	Z	19910429	040619	143	82	14	13
	79	IRAQ		37.0N 44	44.0E 36.5N	36.5E	15 LO	250	0	19910429	040632	143	83	15	13
	80	IRAQ	S	45	.5E 37.	37.1E	40 HO	250	0		040642	143	83	15	13
	81	TURKEY	LAKE VAN	38.5N 43	.0E 38.7N	39.0E	40 LO	250	0	10429	040717	143	85	11	13
	85	USSR-EUROPEAN	COASTLINE, CASPIAN SEA	45.0N 47	.0E 43.3N	44.8E	0 0	250	z	19910429 (040855	144	91	22	13
	83	USSR-EUROPEAN	COASTLINE. CASPIAN SEA	45.5N 48	.0E 44.0N	45.8E	0 0	250	Z	19910429	040910	144	92	23	13
	84	USSR-EUROPEAN	COAST-CASPIAN SEA-OLYA	NS		46.9E	0 N		z		040926	144	93	24	13
	85	USSR-EUROPEAN	ASTRAKIJAN-VOLGA RIVER	Z.		47.3E			2		040933	144	6	24	13
	86	USSR-EUROPEAN	VOLGA RIVER DELTA	N.	45	47.9E	07 0		z		040941	144	94	24	13
	87	USSR-EUROPEAN	VOLGA RIVER DELTA	. Z	45	48.5E			z		040950	144	. 26	25	13
	88	USSR-MIDDLE	z	_		109.9E	N O		×		041951	145	173	48	13
	83	USSR-MIDDLE		55.5N 109		110.3E			z		041954	145	174	48	13
73	06	USSR-MIDDLE				110.6E			Z		041957	145	174	48	13
	91	ALGERIA	GRAND ERG ORIENTAL	9	9.	6.9E			Z		053344	142	11	^	14
	85	TUNISIA	SABKHA MELAH	.5N 1	.0E 34				z		053521	142	81	12	14
															$\left \cdot \right $

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ā	8	GEOGRAPHIC NAME	FEATURE	CENTER	NADIR	OIR ON	F	i i	\ \(\tau_1 \)	DATE	GMT	 	AZ SUN	Z I	8
۽	: :	TANK	ı۲	27 EN 16 OF	یا	14 05	3	250	>	200	053627	1 4 3	A A	18	4
2 5	. D	TTALY	MOUNT FINA		OF 37 8N	15.1F		250			053634	143	84	16	1 4
73	50	TALY	<u>.</u>	. Z	OF 38.4N	15.85			· >		053646	143	84	11	14
73	96	ITALY		40.5N 17.5E	41	19.0E		250	z	910429	053742	143	88	19	14
73	97	CLOUDS		:	43.6N	22.5E		250	z		053839	144	91	22	14
73	86	ROMANIA	CARPATHIAN MOUNTAINS		44.7N	24.1E		250		9910429	053903	144	93	23	14
73	66	ROMANIA	AN		45.2N	24.9E		250	N Y 1	9910429	053914	144	93	24	14
73	100	USSR-EUROPEAN	SK-VOLGA RIVE	54.5N 48.	5E 54.5N	47.4E	0 N	250		9910429	054339	145	119	36	14
73	101	USSR-EUROPEAN	UL'YANOVSK-VOLGA RIVER	4.5N 48	5E 54.7N	48.38	O NV	250	N ≺ 1	9910429	054348	145	121	36	14
73	102	USSR-EUROPEAN	VOLGA RIVER	7.0N 54	.0E 55.8N	54.0E	9 FO	250	Z Z	9910429 (054441	145	128	38	14
73	103	USSR-MIDDLE	FIRES-DRY LAKES		57.3N	70.0E	07 0	250	7	9910429	054700	145	148	44	14
73	104	USSR-MIDDLE	FIRES-DRY LAKES		57.3N	73.8E	0 0	250	N Y	9910429	054732	145	153	45	14
74		A CHINA	LOAHA STREAM	42.5N 119.		119.2E	25 NV	250		9910506	034002	146	156		14
74	-	CHINA	MANCHURIAN PLAIN-STREAM	.5N 120	41.	120.0E		250	N ≺ 1	9910506	034016	146	157		125
74	7	SOUTH CHINA SEA	SULOYS		17.9N	117.8E		250	2	9910506	051727	142	243		126
74	က	SOUTH CHINA SEA	4		17.2N	118.2E	5 LO	250	Z		051740	142	246	75	126
74	4		LINEAR FEATSUNGLINT		16.8N	118.5E		250	z		051748	142	248		126
74	2	PHILIPPINES	LUZON-CORREGIDOR	14.5N 120.	.5E 14.0N	120.3E		250	>		051839	14	261		971
74	9	PHILIPPINES	LUZON-LAKE TAAL	121		120.8E		250	>	10506	051853	142	264		126
7.4	7	PHILIPPINES	LUZON-MANILA	5N 121	.0E 12.8N	121.0E	40 LO	250	- -	9910506	051900	14	265	73	126
,	a	201110011100	TO 60 314 14051111	1 2 3	No. 11	131 65		0 9 6		9010606	061010	173	080	5	96
: ;	0 (CHILLITIAES	1881	10.0N 122	1	16.1.05		007			016100	74.7	607		0.71
4 ;	5 7 (PHILIPPINES		NO. / !	= :	121. /Ł		062	- :		126160	142	507		126
7.4	0 :	PHILIPPINES		2 5	Ξ:	121.8E	20 LO	250	> :		051924	141	270	72	126
/4	= :	PHILIPPINES			= :	121.9E		250			051927	141	270		971
74	12	PHILIPPINES	GUNA DE BAY	Z	Ξ.	122.0E		250	>-		051930	141	271		126
74	13	PHILIPPINES	PEZ E		=	122.1E	30 0	250		10506	051933	141	271		126
74	14	PHILIPPINES	Ī		0	122.2E		250	2	10506	051936	141	272		126
74	15	PHILIPPINES	MARINDUQUE ISLAND	13.5N 122.0E	10.	122.3E		250	_	9910506	051938	141	272	71	126
74	16	PHILIPPINES	NDOC PEN	122	10	122.4E	20 LO	250	>	Ξ.	051941	141	273	7	126
74	11	PHILIPPINES	LUZON-SAN MIGUEL BAY	123	.0E 10.4N	122.5E	20 LO	250	Z ≻	9910506 (051944	141	273	71	126
74	18	PHILIPPINES	LUZON-BURIAS ISLAND	13.0N 123.5E	5E 10.2N	122.6E		250	N × 1	9910506	051947	141	274	11	971
74	19	PHILIPPINES	LUZON-TICAO ISLAND	13.0N 123.5E	5E 10.0N	122.7E	25 LO	250		19910506	051951	141	274	71	126
74	50	PHILIPPINES	MASBATE ITICAO ISLAND	12.5N 123.5E	-	122.8E	30 00	250	>	19910506	051953	141	275	71	126
74	21	PHILIPPINES	PANAY		G	123.0E		250	7		051958	141	276		126
74	22	PHILIPPINES		11.5N 124.5E	ထ	123.6E		250	2		052016	141	278		126
74	23	PHILIPPINES	NEGROS-EASTERN COAST		œ	123.9E		250	-		052027	141	280	69	971
74	24	PHILIPPINES	SIQUIJOR ISLAND	123	7	124.2E		250	2		052035		281		126
74	52	PHILIPPINES	-	125	7.	•		25	•	10506	052041	141	282		126
74	56	PHILIPPINES	2	4 (9	₹.			- ,	206	052046	141	282		126
4	اء	PHILIPPINES	SIAKGAU 1BUCAS GKANDE	120	0 0 4N	124.85	27 PG	7	2	9000188	052054	141	283	28	971

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

F. 6.006 ABPHIC NAME FEATURE 1.00																	
29 PHILIPPINES NINDAMO-DIMANG-THOMANG THYRE 7 DM 124.0E 6.44 125.4E 6.0 LO 250 N V 19910560 05210 0 1 11.1 PRINES NINDAMO-DIMANG-PILON RIVER 7 DM 124.0E 6.34 125.4E 6.0 LO 250 N V 19910560 05210 0 1 11.1 PRINES NINDAMO-PILON RIVER 7 DM 124.0E 6.34 125.4E 6.0 LO 250 N V 19910560 05210 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R	æ		FEATURE	CENTE	_	NADIR AT LON	Ü	C TL	FL E	S	DATE	GMT	AL	AZ	SUN EL	S
29 PHILIPPINES MINDAMO-BULLMAND RIVER 7,0N 124.5E 5.3N 125.5E 70 LO 260 N Y 19910566 D52113 MINDAMO-PROLUDA RDAMO 6.5N 125.5E 6.0N 125.7E 70 LO 260 N N 19910566 D52136 MINDAMO-PROLUDA RDAMO 6.5N 125.5E 6.0N 125.7E 70 LO 260 N N 19910566 D52136 MINDAMSO-PROLUDA RDAMO 6.5N 125.5E 6.0N 125.7E 70 LO 260 N N 19910566 D52136 MINDAMSIA MINDAMO-PROLUDA RDAMO 6.5N 125.5E 6.0N 125.7E 70 LO 260 N N 19910566 D52136 MINDAMSIA NEW GUINKA-SELE STRAIT 1.05 13.7E 6.3 130.5E 2.5E 10.0 250 N N 19910566 D52136 N MINDAMSIA NEW GUINKA-SELE STRAIT 1.05 13.7E 6.3 130.5E 2.5E 10.0 250 N N 19910566 D52136 N MINDAMSIA NEW GUINKA-SELE STRAIT 1.05 13.7E 6.3 130.5E 2.5E 10.0 250 N N 19910566 D52136 N MINDAMSIA NEW GUINKA-RELET 2.5S 133.0E 4.5S 131.1E 70 LO 260 N Y 19910566 D52136 N MINDAMSIA NEW GUINKA-RELET 2.5S 133.0E 4.5S 131.1E 70 LO 260 N N 19910566 D52241 N MINDAMSIA NEW GUINKA-RELET 2.5S 133.0E 4.5S 131.1E 70 LO 260 N Y 19910566 D52241 N MINDAMSIA NEW GUINKA-RELET 2.5S 133.0E 4.5S 131.1E 70 LO 260 N Y 19910566 D52241 N MINDAMSIA NEW GUINKA-RELET 2.5S 133.0E 4.5S 131.1E 70 LO 260 N Y 19910566 D52241 N MINDAMSIA NEW GUINKA-RELET 3.5S 133.0E 4.5S 134.5E 6.3 LO 260 N Y 19910566 D52241 N MINDAMSIA NEW GUINKA-RELET 3.5S 133.0E 6.3 LO 260 N Y 19910566 D52241 N MINDAMSIA NORTH STRAITA-QUINKA-RELET 3.5S 133.0E 6.3 LO 260 N Y 19910566 D52241 N MINDAMSIA NORTH STRAITA-QUINKA-RELET 3.5S 133.0E 6.3 LO 260 N Y 19910566 D52241 N MINDAMSIA NORTH STRAITA-QUINKA-RELET 3.5S 133.0E 6.3 LO 260 N Y 19910566 D52241 N MINDAMSIA NORTH STRAITA-QUINKA-RELET 3.5S 133.0E 6.3 LO 260 N Y 19910566 D52241 N MINDAMSIA N MIN	74	28	PHILIPPINES	MINDANAO-DUMANQUILAS BAY	8.0N 12	ı,	N6.	1	2	N 05	-	910506	05210	ı	284	l	-
31 PHILIPPINES MINDAMAD-PBULUAN RIVER 7,041.25, 55, 510.026, 70 LO 260 N Y 19910566 052130 MINDAMAD-PBULUAN RIVER 7,041.25, 55, 610.026, 70 LO 260 N Y 19910566 052130 MINDAMAD-SDUTHERN RID 1,55, 127, 125, 130, 55, 610.026, 70 N Y 19910566 052130 MINDAMESIA NEW GUINKA-BINLUN RAD 1,55, 130, 130, 55, 610.026, 70 N Y 19910566 052130 MINDAMESIA NEW GUINKA-BINLUN RAD 1,55, 130, 130, 130, 130, 150, 150, 150, 150, 150, 150, 150, 15		59	PHILIPPINES	MINDANAO-MINDANAO RIVER		. 0E			2			910506	05211		285	67	
HILIPPINES HINDAMA-SOLIHER R. DAVAO 6. N 126. 5	74	30	PHILIPPINES	MINDANAO-BULUAN RIVER		. 5E			20			910506	05211				
32 PHILIPPINES NINDAMAAEND-WIGHN 6.5N 125.5E 4.4N 126.0E 0.0 260 N N 19910506 052135 NINDAMS1A NINDAMAAEND-WIGHN 8. NINDAMS1A NINDAMAAEND-WIGHN 8. NINDAMAAEND-WIGHN	74	31	PHILIPPINES			. 5E			2	_		910506	052120				126
34 INDOMESTA NEW GLINEA	74	32	PHILIPPINES						2		***	910506	05213				
34 INDONESIA NEW CUINAEA-NE RE STRAIT 1.05 131.0 € 3.65 130.6 € 26 0.0 250 N N 19910506 052256 3 1 NDONESIA NEW CUINAEA-NE NE		33	PHILIPPINES	MINDANAO END-MAYO BAY			126.		2			910506	05213			99	126
155 132.0E 3.05 INDONESIA NEW GUINEA-BIVUNI BAY 2.55 131.0E 4.05 131.0E 4.0 L0 250 N N 19910506 052405	74	34	INDONESIA	NEW GUINEA-SELE STRAIT	. 0S		130.		2			910506	052350			58	
36 INDONESIA NEW GUINCA-BINTUNI BAY 2.55 132.5E 4.35 131.1C 70 L0 250 N V 19910506 052400 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052400 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052410 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052411 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052411 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052411 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052411 M EW GUINCA-BINTUNI BAY 2.55 131.2C 70 2.50 N V 19910506 052411 M EW GUINCA-BINTUNI BAY 2.50 N M 19910506 052411 M EW GUINCA-BINTEIGH HOS 2.50 S 153.5C 2.50 S 148.5C 140.5C N V 19910506 053120 M EW GUINCA-BINTEIGH HOS 2.50 S 153.5C 2.50 M EW COLORAMATTA-BURLEIGH HOS 2.50 M EW MISSION CARGO BAY-EXPERIMENT CARGO	74	35	INDONESIA	NEW GUINEA-NW END		9.	.65 130.		2			910506	052353				
INDONESIA NEW GUINEA-BINTUNI BRY 2. S 33.0	74	36	INDONESIA			. SE	.38		2			910506	05240		588		
NEW GUINESTA NEW GUINEA-BINIUNI BAY 2.05 34.0E 4.65 131.2E 75 LO 260 N Y 19910506 052417	74	37	INDONESIA	GUIN	.58	3.0E	.55 131		2			910506	05240		299	57	126
NONESTA NEW GUINEA-ONIN BY STATES		38	INDONESIA	GUIN		.0E	131.	7	2			910506	05241		299	57	126
40 INDOMESTA ARU ILSWORKAT ISLAND 6. S. 14. SE 8. 75 133. SE 80 LO 260 N N 199010600 053145 41 AUSTRALIA-Q COOLANGATTA-BURIETGH HOS 28.0S 163.9E 20.3S 148.6E 40 LO 260 N 7 19910506 053214 43 AUSTRALIA-Q COOLANGATTA-BURIETGH HOS 28.0S 163.6E 20.3S 148.6E 40 LO 260 N 7 19910506 053223 44 AUSTRALIA-Q COOLANGATTA-BURIETGH HOS 28.0S 153.6E 20.3S 149.6E 40 LO 260 N 7 19910506 053221 45 AUSTRALIA-Q COOLANGATTA-BURIETGH HOS 28.0S 153.4C 27.3N 22.7W 57.3N 22.7W 0 19910506 053231 46 CARGO BAY-EXPERIMENT 57.3N 22.7W 250 N 7 19910506 053016 053016 50 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N 7 19910506 053024 050024 51 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N 19910506 053024 05024 52 CARGO BAY-EXPERIMENT 57.1N 17.3W 250 N 19910506 053024 05000 05024 53 CARGO BAY-EXPERIMENT 57.1N 17.3W 250 N 19910506 05	74	39	INDONESIA	GUIN					2		-	910506	05241		299		
41 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 15.5 E 29.0S 148.0E 40 LO 250 N Y 19910506 053214 42 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 15.3.5 E 31.2S 149.5E 40 LO 250 N Y 19910506 053224 43 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 15.3.6 E 31.2S 149.5E 40 LO 250 N Y 19910506 053231 45 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 15.3.6 E 31.2S 149.5E 40 LO 250 N Y 19910506 053231 46 CARCO BAY-ERPERIMENT 57.3N 22.7N 2.5N 21.5W 250 N Y 19910506 092934 47 CARCO BAY-ERPERIMENT 57.1N 17.2W 250 N N 19910506 092015 51 CARCO BAY-ERPERIMENT 57.1N 15.7W 250 N N 19910506 093012 52 CARCO BAY-ERPERIMENT 57.0N 16.3W 250 N N 19910506 093012 53 CARCO BAY-ERPERIMENT 55.0N 14.9W 250 N N 19910506 093014 54 CARCO BAY-ERPERIMENT 55.0N 14.9W 250 N N 19910506 093014 55 BRITAIN 6RACO BAY-ERPERIMENT 55.7N 15.3W 2.2W 250 N N 19910506 093105 56 BRITAIN 6RACO BAY-ERPERIMENT 55.0N 2.4W 75 LO 250 N N 19910506 093105 57 BRITAIN 6RACO BAY-ERPERIMENT 55.4M 3.7W 250 N N 19910506 093204 58 BRITAIN 6RACO BAY-ERPERIMENT 50.5N 17.8M 15.8 LO 250 N N 19910506 093204 59 BRITAIN 6RACO BAY-ERPERIMENT 50.5N 17.8 S LO 250 N N 19910506 093204 50 CLOUDS CLOU	74	40	INDONESIA	ARU ILSWORKAI ISLAND					2			910506	05252				
42 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 155.5E 20.3S 148.6E 40 LO 250 N Y 19910506 053221 44 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 154.0E 31.7S 149.9E 40 LO 250 N Y 19910506 053232 45 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 154.0E 31.7S 149.9E 40 LO 250 N Y 19910506 053231 46 BLANK 47 COOLANGATTA-BURLEIGH HDS 28.0S 154.0E 31.7S 149.9E 40 LO 250 N Y 19910506 053234 47 CARGO BAY-GAS CAN 57.3N 22.7M 22.7M 25.0N N 19910506 092944 48 CARGO BAY-EXPERIMENT 57.1N 17.8W 250 N N 19910506 093012 50 CARGO BAY-EXPERIMENT 57.1N 16.7W 250 N N 19910506 093012 51 CARGO BAY-EXPERIMENT 56.3N 14.3W 250 N N 19910506 093012 52 CARGO BAY-EXPERIMENT 56.3N 14.3W 250 N N 19910506 093012 53 CARGO BAY-CAS CAN 56.3M 3.7W 250 N N 19910506 093024 54 CARGO BAY-CAS CAN 56.3M 3.7W 250 N N 19910506 093024 55 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 44.7N 56.0 S0 N N 19910506 09324 56 GERMANY COUNDS CLOUDS 66 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.6E 51.2N 16.0 250 N Y 19910506 093445 66 GERMANY CHANNEL FRANCH FOLLOW 11.6E 51.2N 16.0 250 N Y 19910506 093445 66 GERMANY CHANNEL FOLLOW 11.6E 51.5N 17.7 B 56.0 S0 N Y 19910506 093456 66 GERMANY CHANNEL FOLLOW 11.0 E 50.1N 11.5 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 66 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 66 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 66 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 67 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 68 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 69 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 60 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 60 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 61 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 61 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 62 GERMANY CHANNEL FOLLOW 11.0 E 51.5N 17.7 B 56.0 S0 N Y 19910506 093445 63 GERMANY CHANN	74	41	AUSTRALIA-Q	RADBROKE ISLAND	28.05	~	. 6S		2			910506	053148				
43 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 153.5E 31.3S 149.5E 40 LO 260 N Y 199110506 05322. 44 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 154.0E 31.7S 149.9E 45 LO 250 N Y 199110506 059231 45 EACACO BLANK CARGO BAY-GAS CAN 57.3N 21.5W 250 N Y 199110506 092034 57.3N 21.5W 250 N Y 199110506 092034 57.3N 21.5W 250 N Y 199110506 092015 50 CARGO BAY-EXPERIMENT 57.1N 17.2M 250 N N 199110506 093012 51 CARGO BAY-CAS CAN 55.3N 21.5W 250 N N 199110506 093012 51 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 51 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 51 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.9N 14.3W 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093012 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 199110506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 19910506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 19910506 093013 52 CARGO BAY-CAS CAN 56.3N 9.4M 250 N N 1991	74	45	AUSTRALIA-Q	TTA-BURLEIGH HDS	28.05	5E 3			2			910506	053204				
44 AUSTRALIA-Q COOLANGATTA-BURLEIGH HDS 28.0S 154.0E 31.7S 149.9E 45 LO 250 N Y 19910506 092934 45 CARGO BAY-CAS CAN 57.3N 22.7M 20.19 250 N Y 19910506 092934 48 CARGO BAY-EXPERIMENT 57.1N 17.2M 250 N Y 19910506 093015 50 CARGO BAY-EXPERIMENT 57.1N 17.2M 250 N N 19910506 093026 51 CARGO BAY-EXPERIMENT 57.1N 16.7M 250 N N 19910506 093026 52 CARGO BAY-EXPERIMENT 56.9N 14.3M 250 N N 19910506 093024 53 CARGO BAY-EXPERIMENT 56.9N 14.3M 250 N N 19910506 093024 54 CARGO BAY-EXPERIMENT 56.9N 14.3M 250 N N 19910506 093024 55 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.8N 75 LO 250 N N 19910506 093220 58 BRITAIN CARGO BAY-EXPERIMENT 55.4N 3.7M 250 N N 19910506 093220 59 BRITAIN CARGO BAY-EXPERIMENT 55.5N 2.0W 54.8N 75 LO 250 N N 19910506 093220 50 CLOUDS CRAMANY NEAR COBERG, MAIN RIVER 50.5N 11.0 E 51.9N 15.6 BO LO 250 N Y 19910506 093442 66 GERMANY MARTANSKE 60.5N 11.5E 51.9N 17.5 B LO 250 N Y 19910506 093445 66 GERMANY MARTANSKE 60.0N 11.5E 51.5N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.5N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.5N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5 E 51.3N 17.5 B LO 250 N Y 19910506 093456 67 GERMANY MARTANSKE 60.0N 11.5 E 51.3N 17.5 B LO 250 N Y 19910506 093456 68 GERMANY MARTANSKE 60.0N 11.0 E 51.3N 17.5 B LO 250 N Y 19910506 093445	74	43	AUSTRALIA-Q	TTA-BURLEIGH HDS	28.05	5E 3			2			910506	053223				
45 BLANK 67.3N 22.7N 0 199110506 092944 46 CARGO BAY-EASC CAN 57.3N 21.5W 250 N Y 199110506 092944 47 CARGO BAY-EXPERIMENT 57.1N 17.8W 250 N Y 19910506 093012 50 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N N 19910506 093012 51 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N N 19910506 093022 52 CARGO BAY-EXPERIMENT 56.3N 14.9W 250 N N 19910506 093024 53 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093024 54 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093120 53 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093120 54 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093120 55 BRITAIN BRISTOL-BRISTOL CHANNEL	74	44	AUSTRALIA-Q	TTA-BURLEIGH HDS	28.05	9	_	4			_	910506	05323		ന		
46 CARGO BAY-GAS CAN 57.3N 21.5W 250 N Y 19910506 092014 47 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N Y 19910506 093015 48 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N N 19910506 093025 50 CARGO BAY-EXPERIMENT 57.1N 16.7W 250 N N 19910506 093022 51 CARGO BAY-EXPERIMENT 56.9N 14.3W 250 N N 19910506 093024 52 CARGO BAY-EXPERIMENT 56.9N 14.3W 250 N N 19910506 093024 53 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093024 54 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093024 55 CARGO BAY-EXPERIMENT 56.3N 9.2W 250 N N 19910506 093204 55 BRITALIN BRISTOL-BRISTOL CHANNEL 51.5N 5.4W 250 N N 19910506 093204 59 BRITALIN EASTBOURNE-EMCLISH CHANL 51.5N 2.0W 54.7N 4M 75 LO 250 N Y 19910506 093206 60 CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS	74	45		BLANK		57	38	3		0	19	910506	09293			24	
48 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N V 19910506 093015 CARGO BAY-EXPERIMENT 50 CARGO BAY-GAS CAN 50 CARGO BAY-BASABAN 50 CARGO BASABAN 50 C	74	46		BAY-GAS		57	.3N 21.	3	"		-	910506	09294				
48 CARGO BAY-EXPERIMENT 57.1N 17.2W 250 N N 19910506 093025 50 CARGO BAY-EXPERIMENT 57.1N 16.7W 250 N N 19910506 093028 51 CARGO BAY-EXPERIMENT 57.1N 16.7W 250 N N 19910506 093028 51 CARGO BAY-EXPERIMENT 56.9N 14.9W 250 N N 19910506 093048 52 CARGO BAY-EXPERIMENT 56.9N 14.9W 250 N N 19910506 093049 54 CARGO BAY-EXPERIMENT 56.9N 14.9W 250 N N 19910506 093204 55 CARGO BAY-EXPERIMENT 56.9N 14.9W 250 N N 19910506 093204 56 BRITAIN CARGO BAY-EXPERIMENT 55.7N 5.4W 250 N N 19910506 093220 58 BRITAIN CARGO BAY-EXPERIMENT 51.5N 2.0W 54.8N .6W 75 LO 250 N N 19910506 093220 59 BRITAIN EASTBOURNE-ENGLISH CHANE 51.5N 2.0W 54.8N .6W 75 LO 250 N N 19910506 093306 60 CLOUDS CLOUDS CLO	74	47		BAY-GAS		57	.1N 17.	3	.4		-	910506	09301		101		129
CARGO BAY-EXPERIMENT 57.1N 16.7W 50 CARGO BAY-EXPERIMENT 57.1N 16.7W 50 CARGO BAY-EXPERIMENT 57.1N 16.7W 56.9N 14.3W 56.9N 14.3W 56.0N N 19910506 093028 53.0N 19910506 093028 54 CARGO BAY-GAS CAN 56.3N 14.3W 56.0N N 19910506 093040 56.3N 19910506 093040 56.3N 19910506 093140 56.3N 19910506 093140 56.3N 19910506 093120 58 BRITAIN 58 BRITAIN 59 BRITAIN 50 CLOUDS 60 GERMANY 50.0N 12.5E 51.5N 10.0E 52.2N 19910506 093429 50 GERMANY 50.0N 12.5E 51.5N 10.0E 52.0N 19910506 093428 60 GERMANY 60 CLOUDS 60 GERMANY 60 CRAMANY 60	7.4	48		A		57	1N 17	3	•		-	910506	093020	_	101		
CARGO BAY-EXPERIMENT 50 NO 16 3W 250 NO N 19910500 093028 CARGO BAY-EXPERIMENT 50 SO N 16 3W 250 N N 19910500 093028 CARGO BAY-EXPERIMENT 50 SO N 16 3W 250 N N 19910506 093028 CARGO BAY-EXPERIMENT 50 SO N 14 3W 250 N N 19910506 093045 CARGO BAY-EXPERIMENT 50 SO N 14 3W 250 N N 19910506 093045 CARGO BAY-EXPERIMENT 50 SO N 19910506 093045 50 SO N 19910506 093045 50 SO N 19910506 093045 50 SO N 19910506 093204 51 SO N 19910506 093204 52 SO N 19910506 093204 53 BRITAIN CARGO BAY-EXPERIMENT 51 SN 2.0W 54.8N .6W 75 LO 250 N Y 19910506 093255 CLOUDS		? \$: 3			•	901010					
CARGO BAY-EXPERIMENT CARGO BAY-EXPERIMENT CARGO BAY-EXPERIMENT CARGO BAY-EAS CAN BRISTOL-BRISTOL CHANNEL SA SN	4 ,	יי פרע		× 0		6 2		3 3	• "			000016	70560				
51 CARGO BAY-EXPERIMENT 50.3N 14.3W 250.N N 19910506 093045 52 CARGO BAY-EXPERIMENT 56.3N 9.2W 250.N N 19910506 093045 53 CARGO BAY-EXPERIMENT 56.3N 5.4W 250.N N 19910506 093204 54 CARGO BAY-EXPERIMENT 55.4N 3.7W 250.N N 19910506 093220 56 BRITALIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.7N 3.7W 250.N N 19910506 093249 56 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.7N 3.7W 250.N N 19910506 093249 59 BRITAIN EASTBOURNE-ENGLISH CHANL 51.5N 2.0W 54.7N 3.7W 75.0 250.N N 19910506 093245 59 BRITAIN CLOUDS CLOUDS CLOUDS CLOUDS 54.4N 1.1E 85.0 250.N N 19910506 093342 60 CLOUDS CLOUDS CROUDS CROUDS		2		0 0		ຄີເ		3 :	. (٠,	000016	70660				
CARGO BAY-EXPERIMENT 55 BRITAIN BRISTOL-BRISTOL CHANNEL 51 GERMANY CALOUDS CLOUDS CERMANY CARGO BAY-EXPERITY CARGO BAY-EXPERIMENT 55 4N 56 3N 57 40 58 3N	4 .	10		8 6		00		3 3	4 (٠ -	910506	093040			7 0	129
SA CARGO BAY-GAS CAN CARGO BAY-GAS CAN CARGO BAY-CAS CAN CARGO BAY-CAS CAN CARGO BAY-CAS CAN CARGO BAY-CAS CAN CARGO BAY-EXPERIMENT SS NN 19910506 093204 SS BRITAIN EASTBOURNE-ENGLISH CHANNEL 51.5N 2.0W 54.7N .W 75 LO 250 N 7 19910506 093255 BRITAIN EASTBOURNE-ENGLISH CHANNEL 51.5N 2.0W 54.7N .W 75 LO 250 N 7 19910506 093255 SS BRITAIN EASTBOURNE-ENGLISH CHANNEL 51.5N 2.0W 54.7N .W 75 LO 250 N 7 19910506 093255 CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6F 70 LO 250 N 7 19910506 093439 GERMANY NORTH OF BAYREUTH SO ON 12.0E 51.7N 10.0E 80 LO 250 N 7 19910506 093439 GERMANY MARIANSK GERMANY CRORTH OF BAYREUTH SO ON 12.0E 51.7N 10.0E 80 LO 250 N 7 19910506 093445 GERMANY CRORTH OF PLZEN GERMANY CROUDS GERMANY CROUDS CLOUDS CLOUDS CLOUDS SO N 19910506 093439 GERMANY NORTH OF BAYREUTH SO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GERMANY CRORTH OF PLZEN GERMANY CRORTH OF PLZEN GERMANY CRORTH OF PLZEN GO ON 19910506 093445 GO ON 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445 GO ON 12.5E 51.5N 11.7E 85 LO 250 N 7 19910506 093445	* ;	70		5		5 6		* :	• (000016	*0080				
54 CARGO BAY-EXPERMENT 55.7N 5.4W 250 N N 19910506 093204 55 CARGO BAY-EXPERMENT 55.7N 5.4W 250 N N 19910506 093204 56 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.8N .6W 75 LO 250 N Y 19910506 093251 57 BRITAIN EASTBOURNE-ENGLISH CHANL 51.0N 0.0 54.6N .6W 75 LO 250 N Y 19910506 093251 59 BRITAIN EASTBOURNE-ENGLISH CHANL 51.0N 0.0 54.6N .6W 75 LO 250 N Y 19910506 093251 59 BRITAIN EASTBOURNE-ENGLISH CHANL 51.0N 0.0 54.6N .0E 80 LO 250 N Y 19910506 093255 60 CLOUDS CLOUDS 54.4N 1.1E 85 LO 250 N N 19910506 093347 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N Y 19910506 093423 63 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.5E 51.3N 9.4E 75 LO 250 N Y 19910506 093423 65 GERMANY CP NORTH OF PLZEN 50.0N 12.5E 51.0	4 /	53		8		9	o	3				910506	093130				
55 GARGO BAY-IBSS/SPAS II 55.4N 3.7W 250 N N 19910506 093220 56 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.8N .6W 75 LO 250 N Y 19910506 093249 57 BRITAIN EASTBOURNE-ENGLISH CHANNEL 51.5N 2.0W 54.7N .4W 75 LO 250 N Y 19910506 093251 59 BRITAIN EASTBOURNE-ENGLISH CHANL 51.0N 0.0 54.6N .0E 80 LO 250 N Y 19910506 093255 59 BRITAIN CLOUDS CLOUDS 54.4N 1.1E 85 LO 250 N N 19910506 093340 61 CLOUDS CLOUDS CLOUDS 54.3N 1.5E 95 LO 250 N N 19910506 093340 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N Y 19910506 093423 64 GERMANY NORTH OF BAYREUTH 50.0N 12.5E 51.9N 9.4E 75 LO 250 N Y 19910506 093432 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.0E 80 LO 250 N Y 19910506 093445 66 GERMANY VIAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.1N 11.7E 85 LO 250 N Y 19910506 093456	*	54		8		D D	ç.	3	. 7		_	910506	03350				
56 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.8N .6W 75 LO 250 N 19910506 093249 57 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.7N .4W 75 LO 250 N 19910506 093255 59 BRITAIN CLOUDS CLOUDS 54.4N 1.1E 85 LO 250 N 19910506 093255 60 CLOUDS CLOUDS CLOUDS 54.4N 1.1E 85 LO 250 N 19910506 093325 61 CLOUDS CLOUDS 54.4N 1.1E 85 LO 250 N 19910506 093345 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 250 N 19910506 093423 64 GERMANY NORTH OF BAYREUTH 50.5N 11.5E 51.7N 10.6E 80 10 250 N 19910506	7	22		BAY-IBSS/SPAS II			e,					910506	093220				129
4 57 BRITAIN BRISTOL-BRISTOL CHANNEL 51.5N 2.0W 54.7N .4W 75 LO 250 N 19910506 093255 4 58 BRITAIN EASTBOURNE-ENGLISH CHANL 51.0N 0.0 54.6N .0E 80 LO 250 N 19910506 093255 4 59 BRITAIN CLOUDS 54.4N 1.1E 85 LO 250 N 19910506 093310 4 60 CLOUDS CLOUDS A 1.1 85 LO 250 N 19910506 093345 4 61 CLOUDS A 1.0 52.2N 8.6E 70 250 N 19910506 093343 4 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 250 N 19910506 093433 4 63 GERMANY MARIANSKE 50.0N 12.5E 51.3N 10.6E	74	26	BRITAIN	BRISTOL CHANNEL			≅	_	2			910506	093249			m	
4 58 BRITAIN EASTBOURNE-ENGLISH CHANL 51.0N 0.0 54.6N .0E 80 LO 250 N N 19910506 093255 4 59 BRITAIN CLOUDS 54.4N 1.1E 85 LO 250 N N 19910506 093306 4 60 CLOUDS CLOUDS 54.3N 1.5E 95 LO 250 N N 19910506 093310 4 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N Y 19910506 093423 4 63 GERMANY NORTH OF BAYREUTH 50.0N 12.5E 51.3N 9.4E 75 LO 250 N Y 19910506 093439 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.3N 10.6E 80 LO 250 N Y 19910506 093445 5 GERMANY NORTH OF PLZEN 50.0N 12.5E 51.1N 11.5E 85 LO	74	21	BRITAIN	-BRISTOL	. 5N		. N.	7	2	20	-	910506	09325	-	118	36	129
4 59 BRITAIN CLOUDS 54.4N 1.1E 85 LO 250 N 19910506 093306 4 60 CLOUDS CLOUDS 54.3N 1.5E 95 LO 250 N 19910506 093310 4 61 CLOUDS NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N 19910506 093423 4 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.5E 51.3N 9.4E 75 LO 250 N 719910506 093423 4 64 GERMANY MARIANSKE 50.0N 12.0E 51.7N 10.0E 75 LO 250 N 719910506 093445 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.6E 80 LO 250 N 719910506 093445 4 65 GERMANY VAVAVA RIVER-NEAR BECHYNE <	74	58	BRITAIN	EASTBOURNE-ENGLISH CHANL	NO.	0.	. 6N		2		_	910506	09325		119		
4 60 CLOUDS CLOUDS 54.3N 1.5E 95 LO 250 N N 19910506 093310 4 61 CLOUDS NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N 19910506 093347 4 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.5E 51.9N 9.4E 75 LO 250 N 7 19910506 093423 4 64 GERMANY NORTH OF BAYREUTH 50.0N 12.0E 51.7N 10.0E 75 LO 250 N 7 19910506 093439 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.0E 80 LO 250 N 7 19910506 093445 4 66 GERMANY VIAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.1N 11.5E 85 LO 250 O 7 19910506 093458	74	29	BRITAIN	CLOUDS		54	-		2	_	-	910506	09330		120	37	129
4 61 CLOUDS 4 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N 7 19910506 093423 4 63 GERMANY NORTH OF BAYREUTH 50.5N 11.5E 51.9N 9.4E 75 LO 250 N 7 19910506 093432 4 64 GERMANY NORTH OF BAYREUTH 50.0N 12.0E 51.7N 10.0E 75 LO 250 N 7 19910506 093435 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.6E 80 LO 250 N 7 19910506 093445 4 66 GERMANY CP NORTH OF PLZEN 50.0N 14.0E 51.1N 11.5E 85 LO 250 O 7 19910506 093456 4 67 GERMANY VIAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.1N 11.7E 85 LO 250 O 7 19910506 093458	74	9	CLOUDS	Cronos		54	_		2		-	910506	093310			38	
4 62 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.0E 52.2N 8.6E 70 LO 250 N 19910506 093423 4 63 GERMANY NORTH OF BAYREUTH 50.0N 12.0E 51.7N 10.0E 75 LO 250 N 19910506 093439 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.6E 80 LO 250 N 19910506 093445 4 66 GERMANY CP NORTH 0F PLZEN 50.0N 14.0E 51.1N 11.5E 85 LO 250 N 19910506 093456 4 66 GERMANY VTAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.1N 11.5E 85 LO 250 O Y 19910506 093458	74	61	CLOUDS	CLOUDS		53			2		-	910506	09334		125		
4 63 GERMANY NEAR COBERG, MAIN RIVER 50.5N 11.5E 51.9N 9.4E 75 LO 250 N 19910506 093432 4 64 GERMANY MARIANSKE 50.0N 12.0E 51.7N 10.0E 75 LO 250 N 19910506 093439 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.6E 80 LO 250 N 19910506 093445 4 66 GERMANY CP NORTH OF PLZEN 50.0N 14.0E 51.1N 11.5E 85 LO 250 O Y 19910506 093458 4 67 GERMANY VTAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.1N 11.7E 85 LO 250 O Y 19910506 093458	74	62	GERMANY	MAIN	NG.				2			910506	09342			42	
4 64 GERMANY NORTH OF BAYREUTH 50.0N 12.0E 51.7N 10.0E 75 LO 250 N 19910506 093439 4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.6E 80 LO 250 N 19910506 093445 4 66 GERMANY CP NORTH OF PLZEN 50.0N 14.0E 51.1N 11.5E 85 LO 250 O 7 19910506 093456 4 67 GERMANY VTAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.0N 11.7E 85 LO 250 O 7 19910506 093458	74	63	GERMANY	MAIN					2		-	910506	09343				
4 65 GERMANY MARIANSKE 50.0N 12.5E 51.5N 10.6E 80 LO 250 N Y 19910506 093445 4 66 GERMANY CP NORTH OF PLZEN 50.0N 14.0E 51.1N 11.5E 85 LO 250 O Y 19910506 093456 4 67 GERMANY VTAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.0N 11.7E 85 LO 250 O Y 19910506 093458	74	64	GERMANY	NORTH OF BAYREUTH					2		_	910506	09343			43	
4 66 GERMANY CP NORTH OF PLZEN 50.0N 14.0E 51.1N 11.5E 85 LO 250 O Y 19910506 093456 4 67 GERMANY VTAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.0N 11.7E 85 LO 250 O Y 19910506 093458	74	65	GERMANY			. 5E			2		-	910506	09344			4	
4 67 GERMANY VTAVA RIVER-NEAR BECHYNE 49.5N 14.0E 51.0N 11.7E 85 LO 250 0 Y 19910506 093458		99	GERMANY	OF PLZEN		.0E	11		9		-	910506	09345			44	129
		67	GERMANY	VER-NEAR	NS.	9	=	∞	2	- 1	≻ 13	910506	09345		132	4	129

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

슅	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	TER LON	NADIR LAT LO	IR LON	11 00	14	S	DATE	GMT	AL	AZ SUN	التح	OR
74	89	GERMANY	VIAVA RIVER-NEAR BECHYNE	49.5N	w	90.9N	12.0E	85 LO		γ 19(l	093502	146	133		129
74	69	GERMANY	BECHYNE-TABOR-VSECHOV	49.5N	14.5E	50.8N	12.3E		250 0	-		093505	146	133		129
74	70	GERMANY	MANY LAKES-NEAR BECHYNE	49.0N	15.0E	50.6N	12.8E		250 0	7 19	19910506	093511	146	134		129
74	11	GERMANY	NEAR WIEN	48.5N	.0E	50.3N	13.4E	80 10		Y 199	19910506	093518	-	134		129
74	72	AUSTRIA	AGRICULTURE NEAR WIEN	48.5N	9	50.1N	14.0E	70 07	250 0	¥ 199	19910506	093525	146	135		129
74	73	CZECHOSLOVAKIA	H-N	48.5N	.0E	50.0N	14.2E		250 0	N 199	19910506	093528	~	135		129
74	74	AUSTRIA	WIEN-HAZY	48.5N	16.0E	49.9N	14.4E	65 LO	250 0	7 19	19910506	093530	146	136	46	129
74	75	AUSTRIA	WIEN-HAZY	48.0N	.5E	49.8N	14.7E			Y 198	19910506	093533	146	136		129
74	9/	AUSTRIA	BRATISLAVA-HAZY	48.0N	.0E	49.6N	15.1E	85 10	250 0	× 19	19910506	093538		137		129
74	11	AUSTRIA	NEAR BRATISLAVA-HAZY	48.5N	17.5E	49.5N	15.3E	80 FO	250 0	7 19	910506	093541	146	137	41	129
74	78	CZECHOSLOVAKIA	BTWN TRNAVA AND NITRA	48.5N	18.0E	49.4N	15.4E	70 LO		Y 19	19910506	093542	146	137		129
74	79	CZECHOSLOVAKIA			•	•			250 0	₹ 19	19910506	093544	145	137	47	129
74	80	CZECHOSLOVAKIA	BA	48.5N	19.5E	49.3N	15.7E		250 0	¥ 19	19910506	093546		137	47	129
74	81	CZECHOSLOVAKIA	DANUBE R.	48.0N		49.2N	15.96				19910506	093548		138		129
74	82	CZECHOSLOVAKIA	DANUBE RNEAR GYOR	48.0N	17.5E	49.1N	16.0E	90 PO	250 0	7 19	19910506	093550		138	48	129
74	83	HUNGARY		47.5N	•	49.1N	16.1E	70 LO			19910506	093551	•	138		129
74	84	HUNGARY	NEAR LAKE BALATON	47.5N	18.0E	49.0N	16.3E		250 0	₹ 19	19910506	093553		138		129
74	85	HUNGARY		47.0N	18.0E	49.0N					19910506	093555		138		129
74	98	HUNGARY	VESZPREM, LAKE BALATON	47.0N	18.0E	48.9N	•	70 LO	250 0		19910506	093557	14	138		129
74	87	HUNGARY	DANUBE RBUDAPEST	47.0N	19.0E	48.7N	17.0E	65 LO	250 N	₹ 19	910506	093602	145	139	48	129
7.4	a	VO 6 2 MILLI	CANIBE P -VIDANYOSDIII	46		A A A A	17 KF	0	25.0 1	>	9010506	003600	145	140	9	200
: ;	0 6	מוניס פינים	1 V 1. P. P.	20.00			7			- >	000000	440000		2 .		671
4	D (YUGUSLAVIA	DANUBE &	46.UN	•	•	1/./E				90901881	083611		140		129
74	06	YUGOSLAVIA	HODMEZOVASARHELY, SZEGED		<u>.</u>		17.9E	80 FO			19910506	093613		140		129
4/	91	YUGOSLAVIA	CLOUDS	45.0N	21.0E	48.2N	18.0E				19910506	093615	145	140		129
74	95	EUROPE	YUGOSLAVIA, ROMANIA, HUNGY			48.1N	18.2E				19910506	093617		141		129
74	93	HUNGARY	CLOUDS-RUNWAY			48.0N	18 . 4E	80 20			19910506	093620		141		129
74	94	ROMANIA	CLOUDS-KIKINDA	46.0N		47.9N	18.5E		250 0	¥ 19	19910506	093622	145	141	20	129
74	95	YUGOSLAVIA	TISA RIVER, ZRENJANIN	45.5N	. SE	47.7N	18.8E		250 N	7 19	19910506	093626	145	141	20	129
74	96	YUGOSLAVIA	TISA RIVER, DANUBE, CLOUDS	45.0N	21.0E	47.6N	19.1E	80 LO	250 N	7 19	19910506	093629	145	142	20	129
74	91	ROMANIA	CP NEAR CRAIOVA	44.5N	24.0E	46.5N	21.1E			≺ 19	910506	093656	145	144		129
74	86	ROMANIA	DANUBE RIVER	44.0N	23,5E	46.4N	21.2E	20 LO	250 N	7 19	19910506	093658	145	145	52	129
74	66	ROMANIA	DANUBE RIVER	44.0N	9	•	21.6E		250 N	Y 19	19910506	093703	145	145		129
75	0 V	ATLANTIC OCEAN	LABRADOR SEA ICE			57.3N	61.6W	20 LO	250 N	N 19	19910428	145107	146	155	45	4
75	-	ATLANTIC OCEAN				57.3N	60.2W		250 N	N 19	19910428	145119	-	156	45	4
75	7	ATLANTIC OCEAN	LABRADOR SEA ICE-COAST			57.3N	59.2W	90 PO	250 N	N 19	19910428	145127	146	157	45	4
75	က	SPAIN	ST. OF GILBRALTAR	36.0N	9.5W	35.8N	M6.	25 LO	250 N	N 199	19910428	150245	142	253	4	4
75	4		MOON				151.2W		250 N	N 199	19910428	160609	142	77	9	ഹ
75	S					8 0.	150.7W	웊	250 N	N 19	9910428	160622	142	11	7	သ
75	9	CANADA	0 3			52.3N	•		250 N	7 19	┯.	162554	-	205	49	က
75	-	CANADA	LOOKING W TO MANICOUAGAN			51.5N	48.2W	25 HO	250 N	Y 199	10428	162619	144	503	49	5

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

巌	£	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LO	LON	CC 7L	F. E	S DATE	GMT	AT AL	AZ	SUN	8
75	8	CANADA-N	LOOKING NE TO COAST		4	49.3N 4	43.0W	70 HO	250 N	N 19910428	28 162721	721 144	4 218	8 49	အ
75	თ		SPACE DEBRIS		4		35.0W	웊	250 N	N 19910428	28 162909	909 143	3 232		S
75	10	MAURITANIA	VERY FUZZY-ADRAR DHAR		1		10.2W	40 LO	250 N	N 19910428	28 163736	736 139	9 274	4 32	သ
75	11	WESTERN SAHARA	VIEW TO CAP BLANC		-	17.9N	9.3W	10 HO	250 N		28 163759				တ
75	12	MAURITANIA	VIEW W TO CAP BLANC		-	N6.9	8.7W	20 HO	250 N	Y 19910428		317 139	9 276	6 30	S
75	13	MALI	SHUTTLE APU-DEBRIS-STREM	14.0N		3.6N	₩9.9	0 F0	250 N	_					S
75	14	MALI	SHUTTLE APU-DEBRIS-STREM	14.0N	7.5W 1	13.1N	6.3W	9 FO	250 N	N 19910428	28 163926				သ
75	15	MALI	DE MANANTALI-HAZY-SG	13.0N		11.9N	9.6W	50 LO	250 N	Y 19910428	163947	347 138	8 279	9 26	လ
75	16	MALI	LAC DE MANANTALI-HAZY	13.0N	10.5W 1	11.0N	5.0W	70 LO	250 U	Y 19910428	8 164004	004 138	8 280	0 26	သ
75	17	CLOUDS	TOWERING CUMULUS-HIGH CL		•	5.7N	1.9W 1	100 HO	250 0	N 19910428	8 164138	138 138	8 282	2 21	2
75	18	ATLANTIC OCEAN	CUMULUS CLOUDS-BRIGHT			7.95	6.0E	70 HO	250 0	N 19910428	8 164540	540 138	8 285	<u>ი</u>	ς.
75	19	CANADA-Q	SEPT ISLES-ST LAWRENCE R	50.5N	66.5W 5	50.3N 6	68.2W	0 0	250 N		8 175628		4 213	3 50	9
75	20	CANADA-Q	MANICOUAGAN RESERVOIR	51.5N	68.5W 5		67.5W	0 0	250 N	-	8 175636	536 144	4 214	4 49	9
75	2.1	CANADA-Q		51.5N	68.5W 4	49.7N 6	M9.99	0 0	250 N	Y 19910428	8 175647	347 144	4 216	6 49	9
75	22	CANADA-Q	MANICOUAGAN RESERVOIR	51.5N	68.5W 4	49.4N 6	65.9W		250 N	Y 19910428	8 175655	555 144	4 217	7 49	9
75	23	CANADA-Q	E D'ANTICOSTI	49.0N		. 6N	64.4W		250 N	-				4	9
75	24	CANADA-Q	E D'ANTICOSTI	49.5N			63.8W	2	250 N						9
75	25	CANADA-NS	TON ISEA ICE	47.0N			62.7W		250 N			137 144		4	9
75	56	CANADA-NS	TON ISYDNEY	•		NI.	Ξ.		250 N			14	22	4	9
75	2.7	CANADA-N	BURIN PENINSULA	47.0N	55.5W 45	. 18	58.2W	45 LO	250 N	N 19910428	8 175839	14	3 23	1 48	9
75	28	CANADA-N	N PART OF AVALON PEN.	47.0N	52.0W 42	2N	53.8W	15 10	250 N	Y 19910428	8 175946	14	3 239	9 47	9
75	29	CANADA-N	OF AVALON PEN.			2			250 N	Y 19910428		7		0 47	9
75	30	CANADA-0	IGON	49.5N			89.4W		250 N						_
75	31	USA-MA		42.0N		Z	. 2		250 N						^
75	32		Son			. 6S	MS		250 N	N 19910428					7
75	33	ATLANTIC OCEAN	MOON-CLOUDS				38.4W	95 HO	250 N	Y 19910428	8 194526	526 138			7
75	34	ATLANTIC OCEAN	CUMULUS, LOW-HIGH CLOUDS		=		38.1W	皇			8 194537			7 9	1
75	35		CLOUDS-MOON		-	. 58	37.3W	오	250 N	N 19910428	8 194559	559 138		9 9	1
75	36	ATLANTIC OCEAN	CLOUDS		=		37.0W	웆	250 N	Y 19910428	-	13	&		7
7.5	37	ATLANTIC OCEAN	CLOUDS		-	.48	34.9W	80 HO	250 N	Y 19910428	18 194709	13	9 28	5	7
75	38	ATLANTIC OCEAN	CLOUDS		1	16.25 3	34.4W	80 HO	250 N	Y 19910428	8 194723	723 139	9 285	5	7
75	39	USA-AL	ISANOTSKI PEAKS-SUNGLINT	55.0N 1		56.5N 16	164.9W		250 N	Y 19910428	8 204748	748 146		6 41	ထ
75	40	USA-AK			163.0W 5		163.9W	40 LO	250 N	Y 19910428	28 204757	157 146	6 137	7 41	œ
7.5	41	USA-AK	BAY, PENINSULA	S			159.1W	0 0	250 N	Y 19910428			6 143		∞
15	42	USA-AK	(BAY, PENINSULA	SN.	3		157.6W	2	250 N	Y 19910428	8 204851		6 145		∞
75	43	USA-AK	KVICHAK BAY	59.0N 1	158.5W 5		156.8W		250 N	N 19910428	8 204858		6 147	7 43	œ
75	44	USA-AK	CLOUD GYRES		S.	. 2N			250 N	N 19910428		_	• •		ထ
75	45		G OF ALASKA-SUNGLINT		ഹ	9 . 7N	139.3W	2	250 N			7			æ
75	46	PACIFIC OCEAN	SKA-SUNGLINT	į	.	. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	137.1W	9 :	250 N	N 19910428		တ္ (დ
ر2	4	CANADA-BC	U.CHARLUITE 15MASSEL 1	03.5N	132.3W	2/.0	132.4W	80 10	N OCZ	N 1991042	77607 87	228 145	181	2	٦

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER	ļ	NADIR							SUN	ار	;
교	۳	GEOGRAPHIC NAME		LAT			- 1		S	DATE	CM T	AL AL	AZ	ᆲ	š
75	48	CANADA-BC	FROZEN RIVERS-MOUNTAINS		55.1N			250	z		205257	145	186	49	œ
7.5	49	CANADA-BC	FROZEN RIVERS-MOUNTAINS		54.9N	9N 128.2W	30 LO		Z	9910428	205308	145	188	49	ထ
75	20	CANADA-BC	FINLAY RIVER-FROZEN	56.5N 125	5.0W 54.6N	.6N 126.7W	80 LO	250 N	>	19910428	205322	145	190	49	œ
75	51	CANADA-BC	TON LAKE-FINLAY	56.0N 12			70 LO	250	≻	9910428	205336	145	193	49	8
75	29	CANADA-BC	WILLISTON LAKE-FINLAY R.	56.0N 123	3.5W 54.0N	.ON 124.4W	75 LO	250 N	7	9910428	205345		194	43	œ
75	53	CANADA-BC	FROZEN RIVER/LAKE		53.4N	4N 122.3W	95 LO	250	≥	9910428	205406	145	198	49	ω
ν̈́	54	CANADA-BC	WILLISTON LAKE	56.0N 124	14.0W 52.6N		80 LO	250	S L	9910428	205433	145	202	20	œ
75	55	CANADA-BC	FROZEN LAKES-CLOUDS		51.78	7N 117.2W	95 10	250	×	9910428	205501	144	506	20	80
75	99	CANADA-A	CALGARY-AG-CLOUDS-S TAIL	51.5N 113	13.5W 49.7N		80 10	250	2	9910428	205558	144	215	20	œ
75	57	USA	NORTHERN ROCKY MOUNTAINS		48.8N	110.	75 LO	250	Z	9910428	205623	144	218	20	œ
75	80	NSI.	NORTHERN ROCKY MNTS.		47.	47.0N 106.9W	75 10	250	Z	9910428	205707	144	224	49	∞
7.5	ď	115.A11T		41 0N 112	3	103			>	19910428	205750	143	230	67	œ
7.5	9	13. ASH	GREAT SALT LAKE					250	- >-	19910428	205804		232	49	00
7.5	9	115A-11T	GREAT SALT LAKE		44.3N			250	· >-	19910428	205811		233	49	· œ
75	62	USA	NEB-S. DAKOTA, AGRICULTURE		41.8N			250	z	19910428	205906	14	239	48	ω
75	63	NSA VSA	NEB-S. DAKOTA, AGRICULTURE		41.18			250	z	19910428	205921	14	241	47	ω
75	64	USA-TX	PRAIRIE DT FORK OF RED R	34.5N 10	101.0W 40.0N			250	>	19910428	205946	14	244	47	œ
75	65	USA-TX		34.5N 10	101.0W 39.2N	.2N 95.6W	30 HO	250 N	>	19910428	210002	142	246	46	œ
75	99	USA-OK	CIMARRON RS. WINDOW	37.0N 9	99.0W 38.	95	25 LO	7	>	19910428	210008	142	246	46	80
75	67	USA-OK	CANADIAN RIVER		99.0W 38.	.0N 94.3W	45 LO	250	7 19	910428	210026	142	248	46	œ
75	68	USA-KS	SALINA-CLOUDS	39.0N 9	98.0W 37.	93.		250	z	19910428	210043		250	45	œ
75	69	USA	Σ		36.3N			250	Z	19910428	210102	142	252	45	œ
75	70	USA	THUNDER STORM TOPS		36.0N				z	19910428	210107	141	252	45	æ
75	7.1	USA	CLOUDS		34.9N	o,	90 LO	250	z	19910428	210129	141	254	44	œ
75	72	USA	CUMULONIMBUS, HIGH CLOUDS		33.4N			250	z	19910428	210159	141	257	43	œ
75	73	USA	STORM FRONT-HAZE		31.8N			250	z	19910428	210230	141	259	42	œ
75	74	USA	THUNDERSTORMS-SHUTTL APU		31.0N	.0N 87.3W			z	9910428	210246	141	260	42	æ
75	75	USA			29.3N			250	z	9910428	210317	140	263	41	80
75	9/	CUBA	PAN OF CEN.TO S.END-SMOG		79.0W 17.7N	11.	20 0	250	z	9910428	210652	139	275	32	ထ
75	11	JAMAICA	S.COAST-SMOKE	18.5N 7	77.5W 15.	.4N 75.9W	30 ГО	250 N	Z	19910428	210735	139	277	30	œ
75	78	BRAZIL	AMAZON RIVER	3.05 6	65.0W 5.	.3S 63.8W	15 LO	250 U	N 19	19910428	211344	138	285	12	ထ
75	79	BRAZIL	RIO PURUS		64.0W 6.	6.75 63.0W	45 LO	250 U	2	19910428	211408	138	286	Ξ	00
75	80	CHINA	WEIHAI-PANORAMA	**	ന		5 60	250	>	19910428	220733	143	82	14	O
75	81	CHINA	PANORAMA		. SE		10 LO		7	9910428	220740	143	82	14	თ
75	82	NORTH KOREA	YONGHUNG BAY				50 LO	250	Z	9910428	220827	143	85	17	σ
75	83	NORTH KOREA	CH.ONGJIN-SMOKE?-POLLUTI	42.0N 13	9E	3N 129.6E	30 00	250 U	2	9910428	220848	143	98	18	6
75	84	USSR-PACIFIC	POS'YETA BAY	42.5N 131	0				z	9910428	220903	143	86	19	თ
7.5	85	USSR-PACIFIC	LAKE KHANKA	45.0N 13	32.0E 40.5N				2		220933	143	88	20	ō
7.5	86		LOOKING		47.8N	8N 143.3E		250	7		221220		100	28	6
75	87	PACIFIC OCEAN	PAN LOOKING NE		50.	.2N 148.3E	95 HO	250 N	7	9910428	221323	145	106	31	თ
															l

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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ہے	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON	CC TL	FL E S	DATE	GMT	Ar.	AZ SUN	EL OR	
75	88	USSR-PACIFIC	KAMCHATKA PENINSULA	55.0N 160.0E	.0E 54.0N	159.2E	2	1	19910428	221522	145	119 3	36	_
75	83	USSR-PACIFIC	KAMCHATKA-KAMCHATKA R.	56.5N 160.0E	.0E 54.3N	160.7E	25 LO	250 N N	19910428	221537	145	121 3		
75	90	USSR-PACIFIC			54		2	Z			145			
75	91	USSR-PACIFIC	KAMCHATKA-OZERNOY BAY		55		0		-		145			<u></u>
7.5	85	USSR-PACIFIC	GOVENA PENINSULA-SEA ICE		.0E		2	z	19910428					<u> </u>
7.5	93	USSR-PACIFIC	INT. PANVETVEYSKIY MNT		56.5N	173	오		19910428		146	136 4	41 6	6
7.5	94	USA-NV	GREAT BASIN-SALT LAKES	40.0N 116.0W	.0W 38.8N		07 6		19910428	222947	142 2	246 4	47 9	
75	95	USA-NV	PYRAMID LAKE	40.0N 119.5W	37	116.6W	2	Z	19910428		142	249 4	46	-
75	96	USA-UT	LAKE POWELL-GRAND CANYON	S.	35	114.	2	Z	-					_
7.5	16	USA-UT			.0W 35.0N	113	2	250 N Y	19910428	223104	141			
	,													
75	86	MEXICO	_		OW 26.	• •	2	Z		223354			ග	_
75	66	MEXICO	_		OW 24.	105.	2	z						_
75	100	MEXICO	PACIFIC COAST-PUNTA MITA	21.0N 105.	.0W 23.0N	103.8W	40 LO	250 N Y	19910428	223452	139 2			_
75	101	MEXICO	COLIMA VOLCANO-SMOKE	19.5N 103.	.5W 21.3N	102.6W	5 LO	250 N Y	19910428	223523	139	272 3		
7.5	102	MEXICO	COLIMA VOLCANO-SMOKE	19.5N 103	.5W 20.7N	102.2W	5 LO	250 N Y	19910428	223534	139 2	273 3	35	
11	0 A	N USSR-PACIFIC	STANOVOY RANGE-RIVER		51.4N	128.6E	25 LO	250 N Y	19910428	234335	145	110 3		_
7.7	-	USSR-PACIFIC	STANOVOY RANGE		51.7N	129.3E	60 LO	250 N Y	19910428	234340	145	110 3		_
77	7	USSR-PACIFIC			52.1N	130.	2						6	_
11	ო	USSR-PACIFIC	STANOVOY RANGE		52.7N	132.	2			234412			4	_
77	4	USSR-PACIFIC			53.3N	134.0E	100 LO			234431				_
														_
11	S	USSR-PACIFIC	STANOVOY RANGE		53.6N	135	2	250 N N	19910428	234444	145	117 3	5 10	_
11	9	SEA OF OKHOTSK				141	2	z						_
77	7	USSR-PACIFIC	KAMCHATKA PENCOAST			149.		250 N Y	19910428	234700	146	135 4	41 10	_
77	œ	USSR-PACIFIC	KAMCHATKA PENCOAST	56.0N 156.0E		153.		z	19910428		146	140 4		_
<u> </u>	o	USSR-PACIFIC	KAMCHATKA PEN.		57.0N	154	0 0	250 N N	19910428	234745	146	142 4	7	_
7.7	10	USSR-PACIFIC	KAMCHATKA PEN VOL PLUME	56.0N 161.0E	.0E 57.1N	156.	30 LO	z	19910428	234757	146	144 4	က	_
11	11	USSR-PACIFIC	KARAGINSKIY ISLAND	8.5N	.0E 57.2N	158		z	19910428	234811	146	146 4	ო	_
77	12	USSR-PACIFIC	UKINSKAYA BAY-PACK ICE	58.0N 163.0E	.0E 57.2N	159.1E	07 09	250 0 Y	19910428	234821	146	148 4	က	_
11	13	USSR-PACIFIC	UKINSKAYA BAY-PACK ICE	162	.0E 57.3N	160.	r0	250 O N	19910428	234836	146	150 4	4	-
11	14	USSR-PACIFIC	KAMCHATSKIY PENSEA ICE	163	.0E 57.3N	162.2E	30 00	250 N N	19910428	234847	146	152 4	4 10	_
11	15	USSR-PACIFIC	BERINGA ISLAND-CLOUDS	55.0N 166	.5E 57.3N	166.2E	40 LO	250 N N	19910428	234921	146	157 4	5 10	_
11	16	BERING SEA-SUNGLINT	CLOUDS		57.0N	171.9E	50 LO	250 N N	19910428	235009	145	105 4	46 10	_
11	17	BERING SEA	CLOUDS-SUNGLINT		56.9N	173.	00 PO	250 N N		235021	145	167 4	47 1(_
11	18	BERING SEA	CLOUDS-SUNGLINT				2	Z	7				48 1(_
11	19	USA-AK	ALEUTIAN IUMNAK-CLOUDS	53.5N 168	168.0W 53.6N	168.	⋛	250 N Y	-					_
11	20	USA-AK	ALEUTIAN ILSUNALASKA I	NS.	167.0W 53.4N	167.9W	85 LO		-		145	196 5		_
11	2.1	PACIFIC OCEAN	CLOUDS-NEAR ALEUTIANS		52.2N	163.9W	100 001	z	19910428		144			_
11	22	PACIFIC OCEAN	CLOUDS-NEAR S. AMERICA		8.75	107.3W	80 LO	250 N N	19910429		138	286 1	10 10	_
11	23	PACIFIC OCEAN	COMMITOS CLOUDS		14.65	103	55 LO		19910429	001542	139	286	4	_
11	24	PACIFIC OCEAN	CUMULUS CLOUDS-UNDFREXP		15.58	103.1W	40 00	250 U N	19910429	001558	139	286	4	_
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

1			CENTER	NADIR	;	l	1			Ŝ	1	
		FEATURE	LAT LON			ת מ	UATE	- 1		ויי	1	Ţ
		CLOUDS		55	皇	z	19910429			285 2		
77 26		VERY DARK		19.2S 100.7W	50 LN 250	z o	19910429	001706 13	139 28	35	10	_
77 27	PACIFIC OCEAN	CLOUDS		65	80 HO 25	Z	19910429	001905 14	140 28			
77 28	PACIFIC	CLOUDS			HO 2	z	19910429	001912 14	140 28	282 -5		
77 29	ATMOSPHERIC LIMB			0.5		z	19910429	002106 14	141 2	279 -11		
	ATMOSPHERIC			32,3S 90.5W	HO 250	z	19910429				10	
	ATMOSPHERIC	VERY DARK		6.45 86.		2	19910429			275 -16		
17 32	ATMOSPHERIC			6.55 86.		_	19910429	002237 14		275 -16		
	ATMOSPHERIC			8.35 84.		z	19910429	4	~	74 - 18		
34	ATMOSPHERIC			8.75 83.	HO 25	\neg	19910429	002323 143		73 -18		
35	AIUDIA	VERY DARK-UNDEREXPOSED		22.8N 70.3E	10 2	50 U Y	19910429	010258 14	141		11	
77 36		9		2.9N 70.	10 2	, =	19910429	-	141			
		OF KUTCH		3.2N 70		· –	19910429		141	75	2 11	
		OF KUTCH		3.6N 70	2		19910429	010313 14				
		OF KUTCH		4.0N 71	0,	>	19910429	010320 14	141			
		RANN OF KUTCH AREA-DARK		24.2N 71.3E	0 0	-	19910429	_		9		
77 41		KUTCH AREA-		4.4N 71	0 0 2	\neg	19910429					
		STREAM NEAR R.	5.5N 72	24.9N 71	L0 2	2	19910429		141			
		ш	25.0N 72.0E	25.2N 7	L0 2	2	20	4	141		4 11	
77 44	NDIA INDIA	RANN OF KUTCH AREA-DARKL		25.6N 72.4E	0 LO 25	z z o	19910429	010351 14	-	, 9,	=	
45	SINDIA	AREA NEAR JODHPUR-DARK		26.0N 72.7E	10 LO 25	N N 09	19910429	010358 141	1	3 9/	5 11	
	SINDIA	STREAM NEAR JODHPUR-DARK	_	26.3N 72.9E	2	\supset	19910429	010403 14	141			
	7 INDIA	Z	.0N 75	26.8N 7	2	⊃	19910429	010414 14	141	77 6		
			SN.	27.4N 73.	2	⊃	19910429	010424 14	141		11	
77 49		ALT LAKE	.ON 75	28.1N 74.	0		19910429		_		7 11	
		UR-FRONT OF	8	29.5N 75	2	>	19910429		~	80		
77 51		RFRONT OF	. 5N	29.8N 75	2	-	19910429	0		ω,		
		R FRONT OF	. 52 S	30.3N 76	≥	-	19910429	<u> </u>	~	о		
77 54	INDIA I INDIA	YAMUNA RFRONT OF HIM. PANGONG LAKE-HIMALAYA R.	30.5N 77.5E 33.5N 80.0E	33.2N 78.8E	C NV 250 0 LO 250	> z ⊃ z 0 0	19910429 19910429	010528 143 010616 143	~ ~	79 10 61 12	= =	
55	CHINA	TIB PLATSARIGH J. LAKE	34.5N 79.5E	34.2N 79.8E	10 NV 250	z	19910429	010636 14	142	81 13	11	
7 56			8 NO.	37.9N 83	0	z	19910429				-	
77 57		KAN DESE	ω	40.0N 86			19910429					
	3 CHINA	BOSTEN LAKE-DUST		40.8N 86	2	z	19910429				11	
77 59		KORLA-NEAR BOSTON L-DUST	42.0N 86.0E	41.4N	2	z	19910429	010903 14	143		1. 1	
	_	DRY STREAM-DUST STORM	.5N 93	45.7N 94	2	×	19910429		144			
		DUST STORMS-MNTS.	.5N 93	46.4N 95		×	19910429		₩.	_		
77 62		- -	.5N 93	46.9N 96	9	z :	19910429					
63	MONGOL I A	IELMEN LAKE HOVSGOL IAKE	49.0N 97.5E	48.8N 99.8E	10 LO 250	z >	1910429	011157 17	114 10	29 29	= :	
5		. Т	.001	001 Mt . 64		• │	67401661	ا:		ړ	ł	7

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

교	FR	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON		CC TL	FL E	E S	DATE	GMT	AL	SUN AZ	IN EL	OR
11	65	MONGOLIA	HOVSGOL LAKE	50.5N 100	.5E 4	9.6N 101.3	<u> </u>	2	250 N	7	9910429	011216	145	103	ဗ္ဂ	11
7.7	99	MONGOLIA	HOVSGOL LAKE	51.5N 100	.5E 4	.9N 102.1	5	5 10		N Y	9910429 (011225	145	104	30	11
77	67	MONGOL I A	HOVSGOL LAKE	50.5N 10	.5E 50	0.4N 103.2E	بي	0 0	250 N	≻	9910429	011238	145	106	31	11
77	68	USSR-MIDDLE	LAKE BAYKAL-ANGARA R.		.0E 5					7	9910429	011259	145	108	32	11
77	69	USSR-MIDDLE	LAKE BAYKAL	52.0N 105	. 5E	105	.3E 7	70 NV		7	9910429	011303	145	108	32	11
11	70	USSR-MIDDLE	LAKE BAYKAL-SUNGLINT		.5E 51.	4N 105				7	9910429	011309	145	109	32	11
77	71	USSR-MIDDLE	LAKE BAYKAL-OL'KHON I.	S.	.0E 51.	8 8				7	9910429	011320	145	110	33	11
7.7	72	USSR-MIDDLE	LAKE BAYKAL-SVYATOYNOS P	54.0N 108	.5E 52.	4N 108.6	. 6E		250 N	N Y	9910429	011339	145	112	33	11
77	73	USSR-MIDDLE		4.0N	.0E 52.	8N 109	38.	0 0		7	3910429	011352	145	113	34	11
[1]	74	USSR-MIDDLE	LAKE BAYKAL-NORTHERN END	55.	.0E 53.	2N 110.9	.9E	0 0	250 0	7		011404	145	115	34	11
77	75	USSR-MIDDLE	LAKE BAYKAL-NORTHERN END	54.5N 109	.0E 53.	4N 111.8	.8E	0 10	250 0	~	9910429 (011413	145	116	35	11
77	9/	USSR-MIDDLE	LAKE BAYKAL-NORTHERN END	55.5N	110.0E 54.	2N 114	Ä	0 0	250 0	0 Y 1	9910429	011443	145	119	36	11
11	11	USSR-MIDDLE	BAYKAL-NORTHERN	55.5N	.0E 54.	6N 116	#			>		011456	145	121	37	11
77	78	USSR-PACIFIC	ZEYSKOYE RESERVOIR-FROZE	55.5N 128	. JE 56.	4N 126.6	.6E	5 LO	250 N	7		011633	145	134	40	11
11	79	USSR-PACIFIC	ZEYSKOYE RESZEYA R.	SN 5N	56.	6N 128	بيو	5 10		-	9910429	011648	145	136	41	11
77	80	IRAN	LAKES TASHK&BAKHTEGAN	2N	.0E 25.	4N 49.5		85 LO		Z	9910429	023323	141	9/	4	12
77	81	IRAN	LAKES TASHK&BAKHTEGAN	30.0N 5	53.5E 28.	ON 51.5E		50 LO	250 N	Z	9910429	023412	142	11	7	12
11	82	USSR-MIDDLE		28	.5E 42.	2N 66.1		15 HO	250 U	7	9910429	023857	144	90	21	12
7.7	83	USSR-MIDDLE		46.5N 7	.0E 43.	1N 67.	щ	0 70	250 U	7	429	023917	144	91	22	12
7.7	84	USSR-MIDDLE	LAKE BALKHASH-SMOKE-HAZE	46.5N 7	5.0E 43.	5N 67.9	36	0 0	250 U	7	9910429 (023926	144	91	23	12
7.7	ď	MONGOLTA	I AKE IIVS-EBOTEN	30		7 90 140	7	-	25.0	>	0010400	004600	145	127	00	;
` ;	3 6	MONGOL 1A		5 6						- :	8810428	2004-20	0 1	177	9 6	7 .
::	9 0	MONGOLIA		NO. 0	. 5E 55.	96				-	9910429	024505	145	125	<u>ي</u>	12
\	8	MUNGULIA	HUVSGOL	Z :	26				250 U	-	9910429	024555	145	132	9	71
()	χ χ	MONGOLIA		. O.	56.	104				-	9910429	024615	145	135	9	12
11	83	USSR-MIDDLE		2.0N	.0E 56.	108				7	9910429	024646	145	139	42	12
77	90	USSR-MIDDLE	BAY	2.5N	.5E 56.	108				7	9910429	024649	146	140	42	12
77	91	USSR-MIDDLE		2.5N	.5E 56.	9N 108.7			250 N	≻	9910429	024652	146	140	45	12
77	95	USSR-MIDDLE		53.0N 108	.0E 57.	0N 109.9	9E 3	30 LO		7		024702	146	142	42	12
11	93	USSR-MIDDLE		54.5N 109	.0E 57	.1N 111.1E	<u>u</u>	5 LO	250 N	7	9910429 (024712	146	143	45	12
11	94	USSR-MIDDLE	LAKE BAYKAL	54.5N 10	9.0E 57.	2N 111.8	8E	5 LO	250 N	≻		024718	146	144	43	12
11	95	USSR-MIDDLE	LAKE BAYKAL	53.5N 108	.0E 57.	2N 112.7	.76 1	5 LO	250 N	Z ≺	9910429 (024726	146	145	43	12
11	96	USSR-MIDDLE	LAKE BAYKAL	55.0N 110	.0E 57.	3N 114.5E	<u></u>	0 0	250 N	7	9910429 (024741	146	148	43	12
11	97	USSR-MIDDLE	LAKE BAYKAL	NO	.0E 57.	119				7		024824	146	155	45	12
11	86	USSR-MIDDLE	LAKE BAYKAL	53.5N 108	.0E 57.	3N 120.2	.2E 4	45 HO	250 N	>	9910429	024829	146	156	45	12
7.7	66	USSR-MIDDLE	LAKE BAYKAL	54.5N 108	.5E 57.	0N 126				7		024925	145	165	46	12
7.7	100	USSR-PACIFIC	ZEYSKOYE RESERVOIR	8	. 5E 55.	6N 137.5E		25 LO	250 N	∠	9910429	025100	145	181	49	12
77	101	USSR-PACIFIC	ZEYSKOYE RESERVOTR	55.0N 132	.0E 55.	ON 140.6	.6E 4	40 LO	250 N	7	9910429	025129	145	186	49	12
11	102	USA-HI	PEARL AND HERMES REEF	8.0N	.0E 27.	175		20 NV		Z	429	030207	140	264	41	12
79	0	A USSR-MIDDLE	BAYKAL-OL'KHON	3.0N	. 5E 53	66	ш	2	20	7	429	055130	145	192	20	14
79	+	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	52.5N 106	. 5E 53	.7N 100.3	3E 6	07 0	250 N	N Y	9910429 (055139	145	193	20	14
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER	NADIR	æ							SUN	z		\Box
R	T.	GEOGRAPHIC NAME	RE	LAT LO	LAT		- 1	리	- 1	DATE	EM C	ᅵ	AZ	ᆈ	ĕ	7
79	7	USSR-MIDDLE	ΥAL	3.5N 108.	53.3N				> 2		055153	144	195	20	14	
79	ო	USSR-MIDDLE	LAKE BAYKAL-OL'KHON I.		53.2N	101.9E			> 2	19910429	055156	144	196	20	14	
79	4	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	52.5N 107.0E	53.1N	02.2E		250	≻ Z	19910429	055159	144	196	20	14	
79	လ	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	52.0N 106.0E	53.0N	102.5E	45 LO	250	≻ ≥	19910429	055202	144	197	20	14	
79	9	USSR-MIDDLE	LAKE BAYKAL-SOUTH END	52.0N 105.5E	52.9N	102.8E			≻ Z	19910429	055205	144	197	20	14	
79	7	USSR-MIDDLE	LAKE BAYKAL-SOUTH END	52.0N 105.5E	52.6N	103.7E			≻ ≥	19910429	055215	144	199	20	14	
79	œ	USSR-MIDDLE	LAKE BAYKAL-SOUTH END	51.5N 104.5E	52.0N	105.5E			> 2	19910429	055234	144	202	20	14	
79	o	USSR-MIDDLE	LAKE BAYKAL-SOUTH END	51.5N 105.0E	51.8N	105.9E	30 LO		> 2	19910429	055239	144	202	20	14	
79	10	USSR-MIDDLE	BAY	105.		106.2E		250	×	19910429	055242	144	203	20	14	
79	11	USSR-MIDDLE	LAKE BAYKAL-SOUTH END	52.0N 106.0E	51.6N	106.6E	10 NV	250	≻ Z	19910429	055247	144	204	20	14	
79	12	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	52.0N 106.0	0E 51.4N 1(107.0E	10 LO	250	> 2	19910429	055251	144	204	90	14	
79	13	USSR-MIDDLE	RAY	901 NO	50 9N	108.35		~	2	19910429	055306	144	207	5	14	
79	14	USSR-MIDDLE	BAY	109	50.8N	108.6E			: >	19910429	055309	144	207	51	. 4	
79	15	USSR-MIDDLE	BAY	.0N 108	50.6N	109.1E	30 LO		≻ Z	19910429	055315	144	208	51	14	
79	16	CHINA	Š	.0N 121.	41.9N	124.5E			≻ æ		055646	142	237	49	14	
79	11	CHINA	LIAODONG BAY-SHAUNGTAIZ	41.0N 121.5	5E 41.7N 13	124.7E			> 2	19910429	059650	142	237	49	14	
79	18	CHINA	LIAODONG BAY-SALT PANS	40.5N 122.0E	41.5N	125.0E			> 2	19910429	055655	142	238	49	14	
79	19	CHINA	LIAODONG BAY-SALT PANS	40.5N 122.5E	41.3N	125.3E	10 LO	250	> Z	19910429	055700	142	239	49	14	
79	20	CHINA	KOREA BAY-YALU RIVER DEL	•	5E 40.8N 12	125.9E			≻ ≅	19910429	055710	142	240	49	14	
79	21	CHINA	KOREA BAY-YALU RIVER DEL	40.0N 124.0E	40.5N	126.3E	30 LO	250	×	19910429	055716	142	240	49	14	
79	22	NORTH KORFA	KORFA BAY-YALLI RIVER DEL	40 0N 124 OF	40 3N	126 SF	15 1	25.0	>	19910429	055720	142	241	Q V	14	
2 0	23		BAY-KA I -CHAC	. 54 124 .		126.00			• >	10010420	0000		2 7 7	2 0		
6, 0	2 6		T 142-140	#21 NC.	10.00 00.00	10.05	2 2	250	- 2 2 2	19910429	02/000		147	0 0	1 :	
6 0	2 2		ING BAY-WONGAN	121 NO.	NO. 02	128.45			2 2	19910429	057550		243	0 0		
6.	26		3	. ON 128	38.58	128.5E			: > : 2		055756		244	ξ 4	1 7	
26	27		DMZ-NORTH. SOUTH KORFA	5N 128	38. AN	128.8F			· >		055800		245	4	14	
79	28		NEAR SAMCHEOG-COAST	.5N 129	37.4N	129.9E		250	z	19910429	055821	142	248	47	14	
79	29	SOUTH KOREA	NAKTONG RIVER	.0N 128	36.5N	130.8E		250		19910429	055839	141	249	47	14	
79	30	PACIFIC OCEAN	CLOUDS		S S	33.6E		250	z	19910429	055933		255	45	14	
79	31	PACIFIC OCEAN	CLOUDS-SHUTTLE TAIL		. 5S	167.2E	80 HO	250	z	19910429	20	139	286	ო	14	
79	32	PACIFIC OCEAN	CLOUDS		29.65 17	176.1E	90 HO	250	z	19910429	061852	141	281	ဆု	14	
79	33	CLOUDS	CLOUD TOP-VERY DARK			16.6W 1	00 LO	250	z >	19910429	070310	141	11	9	15	
79	34		TENERIFE OR GRAN CANARIA			16.2W		250	2)	19910429	070319	141	11	9	15	
79	35		E-VERY		29.2N				≥	19910429	070329	142	77	7	15	
79	36	CANARY ISLANDS	TENERIFE-VERY DARK		29.6N		50 LO		z >	19910429	070338	142	78	7	15	
79	37	CANARY ISLANDS	TENERIFE	28.0N 16.5W	30.7N				z	19910429	070359	142	78	တ	15	
9 5	88	MOROCCO	ATLAS MOUNTAINS-HAZE	;	34.2N				z : z :	19910429	070506		81	12	15	
20 F		MOROCCO		9	35.6N	3 5		250	> : 2 :	19910429	070533		85	13	15	
e 6	4 0	MOROCCO Menteppanean sea	S.OF GIBRALTER-SOLITONS	36.0N 6.0W	W 35.7N	38.4 60.0	40 LO	250	> 2 2 1	19910429	070536	142	85	7:	15	
	;	MCDI I CANAMEAN SEA		۱,	5	٠.	- 1		2	67401	070343	143	70	•	۱2	-1

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

						2						100		Γ
뒿	4	GEOGRAPHIC NAME	FEATURE	LAT LON	2	NADIK IT LON	CC TL FL	E S	DATE	CMT /	AL A	Z SUN	L OR	~
79	42	ATLANTIC OCEAN	NEAR S.OF GIBRALTER-CLDS		36.8N			2	19910429 (070558 1		83 1	5 15	·~
79	43	SPAIN	GIBRALTER	NO.	5.5W 37.2N	8.2W	20 LO 250	Z	19910429 (070607 1		83 1	15 15	
79	44	SPAIN	HUELVA-ATLANTIC COAST	NO.	7.0W 37.9N	7.5W	0 LO 250	-	19910429 (070621 1				
79	45	SPAIN	HUELVA-ATLANTIC COAST	NO.	7.0W 38.1N	7.2W	2	≻ ∩ (19910429 (070625 1				<u> </u>
79	46	SPAIN	CARPETOVETONICA MNTS.	SN.	5.0W 40.6N	4.3W	0 NV 250	-	19910429 (070716 1				_
2	47	SPAIN		42.0N	3.0W 42.1N	2.4W	0 NV 250	\neg	19910429 (070748 1	143		20 15	<u></u>
79	48	SPAIN	CUERDA DEL POZO RES.	41.5N	2.5W 42.2N	2.2W	0 NV 250	∀ 0 0	19910429 (070752 1	143		20 15	
79	49	SPAIN	YESA RESERVOIR	28 28	1.0W 43.1N	1.0W	0 NV 250	N 0	19910429	070810 1	144		21 15	
79	20	FRANCE	NEAR BORDEAUX	. SN	44	. 4E	≩	Z	19910429 (070833 1	144	91 2	22 15	
79	51	FRANCE	CAZAUX ET DESANGUINET L.	NS.	.0W 44	. 8E	15 NV 250	_		070839 1	144			<u>-</u>
79	52	FRANCE	TROYES, AG LAND, SEINE R.	48.5N	4.0E 47.1N	5.5E	0 LO 250	> 2	19910429 (070945 1	144	97 2	26 15	
79	53	FRANCE	AG	48.5N	47.			Z	19910429 (070951 1	144	97 2	26 15	٠,٠
79	54	GERMANY	R-NEAR WURZBUI	. ON 1	.0E 49.		2		_		•		-	
79	55	GERMANY		0.5N	.5E 50.	11.7E	2	z	19910429 (145 1	104 3	_	٠,
79	99	POLAND	GDANSK-GULF OF DANZIG	28	.0E	20.4E	2	z	19910429 (071240 1	145 1	114 3	-	s.
79	21	USSR-EUROPEAN	KALININGRAD		E	21.6E		z	19910429 (071252 1			34 15	·
79	58	USSR-EUROPEAN	VYATKA RIVER-URZHUM	57.0N 5	50.0E 57.3N	50.9E	10 NV 250	×	19910429 (071715 1	145 1	153 4	44 15	
79	29	USSR-EUROPEAN	VYATKA RIVER-SHURMA	57.0N 5	. SE	51.8E	2	z	19910429 (071723 1	145 1			<u></u>
79	90	USSR-EUROPEAN	KAMA RIVER-SARAPUL	56.5N 5	.0E 57.	54.9E				_			-	<u>ر</u>
79	61	USSR-EUROPEAN	KAMA RIVER-KAMBARKA	56.0N 5	54.0E 57.2N	55.4E	5 LO 250	×	19910429 (071753 1	145 1	159 4	46 15	<u>. </u>
61	62	USSR-EUROPEAN	LAKE-KARMANOVO	56.5N 5	4.5E 57.1N	55.9E	5 LO 250	× ×	19910429 (071757 1	145 1	160 4	46 15	٠.
79	63	USSR-EUROPEAN	UFA RIVER-RESERVOIR	Z	57.0E 57.0N	58.1E		≻ N C	19910429 (071816 1	145 1	163 4	_	<u></u>
79	64	USSR-EUROPEAN	-RESERVOIR	Z	56.5E 57.0N	58.7E		z	19910429 (071821 1	145 1	164 4	-	٠.
79	65	USSR-EUROPEAN	REVDA-PERVOURAL'SK	57.0N 5	.5E 56.	61.1E	2	z	3429	071842 1			-	٠.
79	99	USSR-MIDDLE	SMOKE BTW PYSHMA&TOBOL R	z	65.5E 56.2N	65.5E	0 NV 250	z	19910429 (145 1	174 4	48 15	ç
79	67	USSR-MIDDLE	SMOKEBTWN PYSHMA&TOBOL R	. 5N	65.0E 56.0N	66.7E	0 LO 250		19910429 (071932 1	145 1	175 4	48 15	
79	68	USSR-MIDDLE	TOBOL RDENISOVO	56.5N 6	65.5E 55.7N	68.5E	0 LO 250	z	19910429 (071948 1	145 1	178 4	48 15	_
79	69	USSR-MIDDLE	NEAR L.	. SN	71.0E 55.1N	71.5E		Z	1429	072016 1			-	<u>.</u>
79	70	USSR-MIDDLE	SMOKE NEAR L. SALTAIM	56.5N 7	71.0E 55.0N	72.0E	0 LO 250	Y N C		072021 1	145 1	184 4	49 15	<u>.</u>
79	71	USSR-MIDDLE	LAKE SELETYENIZ	3.5N	73.0E 54.6N	73.8E	2		0429	072038 1	145 1	186 4	-	٠.
79	72	USSR-MIDDLE	LAKE SELETYENIZ	53.0N 7	73.0E 54.4N	74.7E	0 LO 250	N C	19910429 (072047 1	145 1	188 5	50 15	
79	73	USSR-MIDDLE	LAKE BOL'SHOY AZHBULAT	53.0N 7	77.5E 53.4N	78.4E	0 NV 250	≻ N O	19910429 (072124 1	144 1	194 5	50 15	<u></u>
79	74	USSR-MIDDLE	LAKE BOL'SHOY AZHBULAT	NO.	77.0E 53.3N	78.7E	0 LO 250	≻ N C	19910429 (072127 1	144 1	194 5	50 15	
79	75	USSR-MIDDLE	NEAR VOLCHIKHA-SMALL LAK	52.0N 8	80.5E 52.5N	81.3E	0 NV 250	_	19910429 (072155 1	144 1	199 5	50 15	٠,
79	76	USSR-MIDDLE	SMALL LAKES-TREES	51.5N 7	79.5E 52.4N	81.7E	0 LO 250	≻ n c	19910429 (072159 1	144 1	199 5	50 15	<u></u>
79	11	USSR-MIDDLE	SMALL LAKES-TREES	51.5N 7	79.5E 52.2N	82.1E	0 10 250	∀ ∩ 0	19910429	072203 1	144 2	200 5	50 15	<u>.</u>
79	78	USSR-MIDDLE	IRTYSH RIVER	50.5N 8	80.0E 51.9N	83.1E		NO	19910429 (072214	144 2	202 5	50 15	٠,
79	79	USSR-MIDDLE		S.	.0E 50	•	2 2			_			_	2
79	80	CHINA	QINGHAI LAKE	7.0N	.5E 38.	•	L0 2	Z		£,	142 2	246 4	_	<u></u>
19	81	CHINA	QILIAN MOUNTAINS-HAZE	38.0N 100	10.0E 36.7N	107.9E	15 LO 250		19910429	072812	141 2		47 15	٠.
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

CHIMA CHANGE MOUNTAINS 37.0N 103.0E 36.4N 108.1E 10 LO 250 N Y CHUNA CHANA CHANGONG MOUNTAINS 37.0N 103.0E 36.4N 108.1E 10 LO 250 N Y CHUNA CONST-CLOUDS-DARK CHINESE COAST-INT W. 22.1N 120.3E 26 LO 250 N Y PACIFIC OCEAN OFF CHINESE COAST-INT W. 22.1N 120.3E 26 LO 250 N Y PACIFIC OCEAN OFF CHINESE COAST-INT W. 22.1N 120.3E 26 LO 250 N Y PACIFIC OCEAN OFF CHINESE COAST-INT W. 22.1N 120.3E 26 LO 250 N Y PACIFIC OCEAN OFF CHINESE COAST-INT W. 21.4N 120.7E 56 LO 250 N Y PACIFIC OCEAN OFF CHINESE COAST-INT W. 21.4N 120.7E 56 LO 250 N N PACIFIC OCEAN OFF CHINESE COAST-INT W. 20.1.N 120.1E 56 LO 250 N N PHILIPPINES PHILIPPINES SIAGAD 135.AMD PHILIPPINES BOHOL, LEYTE-SUNGLINT OLON 126.0E 11.0N 127.6E 50.5N 120.0E N N PHILIPPINES BOHOL, LEYTE-SUNGLINT OLON 126.0E 11.0N 127.6E 50.5N N N PHILIPPINES CAMIGOLIN I -SUNGLINT OLON 126.0E 11.0N 127.6E 50.05N N N WEST NEW CHINESE XPOSED CLOUNS CLOUNS-UNGFREXPOSED CLOUNS-UNGFREX-MARCH NS. 30.18 10.16 50.0 N N WEST NEW CHINESE NS. 50.0 N S OF S OF S OF N N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 6 LO 250 U N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 6 LO 250 U N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 6 LO 250 U N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 6 LO 250 U N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 6 LO 250 U N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 6 LO 250 U N USSR-EUROPEAN ULL RKR NERR RRS. BALAKO 52.5N 48 DE 64.5N 51.0 E 0 LO 250 U N USSR-EUROPEAN ULL RKR SHUBAR TRAITS AND SOULF AND SOULF OF MARTIRABA GULF OF MARTIRABA BUNNA GULF OF MARTIRABA BUNNA GULF OF MARTIRABA BUNNA HALLAND MALAY PERINSULA-SINGLINT 10.0N 90.0E 10.3N 10		2	CENCOADUTE NAME	EATIBE	CENTER	NADIR	٤	- I		DATE	LAG	4	SUN A7	⊋ ű	ď	
CHINA CHANA CHANA CHANA CHANA CHANA CHANA CHANA CONST-CLOUDS-DARK CHANA CONST-CLOUDS-DARK CONST-CLOUDS-CONST-INT W. PACIFIC OCEAN OFF CHINESE CONST-INT W. CONST-CLOUDS-CONST-INT W. CONST-CLOUDS-CONST-INT W. PHILIPPINE PHILIPPINE PHILIPPINES BOHOL, LEYTE-SUNGLINT CONST-CLOUDS CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUDS CLOUDS CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WAVES-CHARRAND SEA 3.0M 132.0E 5.0 250 N Y BOHANA CLOUDS CLOUD WANTAND SEA 3.0M 132.0E 5.0 3.0M 62.0E 5.0 0 N Y BOHANA CLOUDS CLOUD WANTAND SEA 3.0M 132.0E 5.0 10 N S CLOUD WANTAND SEA 3.0M 132.0E 5.0 0 N S CLOUD WANTAND SEA 3.0M 132.0E 5.0 0	1		7107				3		1	2000	E S C C C	Į;		: :	5	_
CHINA CUMULOS, CHAULONTRIBUS CHINA COAST-CLOUDS-DARK CHANA COAST-CLOUDS-DARK CHANA COAST-CLOUDS-DARK CHANA COAST-CLOUDS-DARK CHANA COAST-CLOUDS-DARK COAST-CLOUDS-DARK COAST-CLOUDS-DARK COAST-THY W. COAST-CLOUDS-DARK COAST-THY W. COAST-THY		28	CHINA		203	108	2		~	870018	/187/0	141	847	4	C7	
CHUNDS CH		83	CHINA		103	6.2N 108	20		_		072821	141	250	4/	15	
CHINA COAST-CLOUDS-DARK CHINA COAST-CLOUDS-DARK CHINA COAST-CLOUDS-DARK CHINAE COAST-CLOUDS-DARK CHINAE COCAM COFF CHINESE COAST-INT W. PACIFIC OCEAN OFF CHINESE COAST-INT W. OFF CHINESE COAST-INT W. OCCOUNDS COATTON OFF COATTON		84	CLOUDS	. CUMULONIM		7.6N 116	100		-	9910429 (073107	140	264	42	15	_
CHINA PACIFIC OCEAN OFF CHINESE COAST-INT W. PALLIPPINE PHILIPPINE SEA SEA SEA SEA SEA SEA SEA SEA SEA SE		85	CHINA			3.8N 119	9			19910429	073219	139	269	39	15	
PACIFIC OCEAN OFF CHINESE COAST-INT W. PALLIPPINES DADIOL, LEYTE-SUNGLINT OFF CHINESE COAST-INT W. PHILIPPINES BOHOU, LEYTE-SUNGLINT OFF CHINESE CLOUDS CLOUDS-CHINESE CLOUDS CLOUDS-CHINESE C		98	CHINA			5N 119	70				073224	139	269	39	15	
PACIFIC OCEAN OF CHINESE CONST-INT W. PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 125,0E 8.7N 128,EE 5.0 250 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 125,0E 8.7N 128,EE 310 250 N N PHILIPPINES CAMIGUIN I - SUNGLINT 10.0N 125,0E 8.7N 128,EE 310 250 N N PHILIPPINES CAMIGUIN I - SUNGLINT 10.0N 125,0E 8.7N 128,EE 310 250 N N MINDAMO-WORD GULF 6.5N 125,0E 8.7N 130.EE 50 0.55 N N CLOUGS CLOUGS CLOUGS CLOUGS CLOUGS CLOUGS CLOUGS-UNDEREXPOSED CLOUGS		2 6	٤	CHINESE COAST		1N 120	2 .				073250	139	271	88	15	
PACEFIE OCEAN OFF CHINESE COAST-INT W. PACIFIC OCEAN OFF CHINESE COAST-INT W. PALLIPPINES PHILIPPINES BOHOL, LEYTE-SUNGLINT PHILIPPINES BOHON SARATOVSKOYE RESBALAKO SS. 10 8 95 137 96 10 250 U V USSR-EUROPEAN BUSR-EUROPEAN BUSRA GULF OF MARTABAN BUSR-EUROPEAN BUSR-EUROPEAN BUSR-EUROPEAN BURNA		, a		CHINESE COAST INT		DN 120	2 6				07225	2 5	271	3 8	, ,	
PACIFIC OCEAN OFF CHINESE COAST-INT W. PHILIPPINES BOHOL, LEYTE-SUNGLINT ON 124 56 8 312 56 10 250 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT ON 124 56 8 317 128 85 10 250 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT ON 124 56 8 317 128 85 10 250 N N PHILIPPINES CAMIGUIN ISUNGLINT PHILIPPINES BOHOL, LEYTE-SUNGLINT ON 124 56 8 317 128 85 10 250 N N PACIFIC OCEAN ISLAND HELRA REFERENCE CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUD WAVES-UNDEREXPOSED CLOUDS		9 6		CHINESE COASI-INI		071 NO.	מ				0000000	n (1,1	ָ מַ	? .	
PACIFIC OCEAN OFF CHINESE COAST-INT W. PHILIPPINES SIAGAO 1SLAND BOHOL, LEYTE-SUNGLINT 10.0N 124.6E 8.9N 128.7E 35 L0 250 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 124.6E 8.9N 128.7E 35 L0 250 N Y PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 124.6E 8.9N 128.7E 36 L0 250 N Y PHILIPPINES CAMIGUIN I-SUNGLINT 0.0N 124.6E 8.9N 128.7E 40 L0 250 N Y PHILIPPINES CAMIGUIN I-SUNGLINT 0.0N 124.6E 8.9N 128.7E 40 L0 250 N Y PHILIPPINES CAMIGUIN I-SUNGLINT 0.0N 124.6E 8.9N 128.7E 40 L0 250 N Y PHILIPPINES CAMIGUIN I-SUNGLINT 0.0N 124.6E 8.9N 128.7E 40 L0 250 N Y PHILIPPINES CAMIGUIN I-SUNGLINT 0.0N 124.6E 8.9N 128.7E 40 L0 250 N Y CLOUDS CLOUD WAYES-UNDEREXPOSED CLOUDS C		F 6		CHINESE COASI-INI		120	ດ				0/3302	7	7/7	7	C :	
PHILIPPINE SEA PHILIPPINE SEA INTERNAL WAVES-SHIP WAKE PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 126.0E 11.0N 127.6E 5 10 250 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 126.0E 8.0N 128.7E 5 10 250 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT PHILIPPINES PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 126.0E 8.0N 128.7E 5 10 250 N N PHILIPPINES PHILIPPINES RINDAMAD MADO MADO QUIF COLOUDS CLOUDS CLOUD HORE		06		CHINESE COAST-INT		121.	22		-		073308		272	37	15	
## PHILIPPINE SEA SIAGAO ISLAND WAKE STAGED ISLAND WAKE SIAGAO ISLAND BOHOL, LEYTE-SUNGLINT 10.0N 127.46 E 9.9N 128.15 E 10.250 N N PHILIPPINES BOHOU, LEYTE-SUNGLINT 10.0N 125.0E 8.7N 128.8 E 35 LO 250 N Y PHILIPPINES BOHOU, LEYTE-SUNGLINT 10.0N 125.0E 8.7N 128.8 E 35 LO 250 N Y PHILIPPINES CAMIGUIN ISUNGLINT 10.0N 125.0E 8.7N 129.8 E 40 LO 250 N N PHILIPPINES CAMIGUIN ISUNGLINT 10.0N 125.0E 8.7N 130.1E 80 LO 250 N N PACIFIC OCCAN ISLAND HELEN REEF-HALHAMEA SEA 3.0N 132.0E 5.8N 130.1E 80 LO 250 N N CLOUDS CLOUD WAVES-UNDEREXPOSED TAY A 8.0E 54.6N 51.2E 5 LO 250 U Y USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.5N 51.6E 5.0D U Y USSR-EUROPEAN CLOUDS CLOUD WAVES-UNDEREXPORTAN CLOUDS CLOUD WAVES-UNDER CLOUDS CLOUD		91		CHINESE COAST-INT		0.5N 121	20			19910429	073320	139	272	37	15	
## PHILIPPINES BIGGO ISLAND ## PHILIPPINES BOHOU, LEYTE-SUNGLINT 10.0N 126.0E 11.0N 127.4E 25 LO 250 N N PHILIPPINES BOHOU, LEYTE-SUNGLINT 10.0N 126.0E 8.7N 128.8E 35 LO 250 N N PHILIPPINES BOHOU, LEYTE-SUNGLINT 10.0N 125.0E 8.7N 128.8E 35 LO 250 N N PHILIPPINES CANIGUIN ISUNGLINT 9.5N 126.0E 8.7N 129.8E 40 LO 250 N N PHILIPPINES CANIGUIN ISUNGLINT 9.5N 125.0E 6.5N 130.1E 80 LO 250 N N WEST WEEF HALHAMRA SEA 3.0N 132.0E 3.2N 130.1E 80 LO 250 N N CLOUDS CLOUDS CLOUDS CLOUD WAVES-UNDEREXPOSED 6.5S N 48.0E 54.8N 51.2E 5N 250 N N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.8N 51.2E 5.0D V USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.8N 51.6E 5.0D V USSR-EUROPEAN SARATOVSKOYE RES. 52.0N 48.0E 54.3N 51.6E 5.0D V USSR-EUROPEAN UIL RIVER ARALSOR 49.0N 48.5E 53.7N 54.7E 5.0 250 U V USSR-EUROPEAN IL AKE ARALSOR 49.0N 48.5E 53.7N 54.7E 5.0 250 U V USSR-EUROPEAN RIV. CHELKAR NOLGA R. 52.0N 48.0E 59.3N 65.3E 5.0 250 U V USSR-EUROPEAN RIV. CHELKAR NOLGA R. 52.0N 48.0E 59.3N 65.3E 5.0 250 U V USSR-EUROPEAN RIV. CHELKAR RARL 47.5N 65.5E 69.3N 64.3E 5.0 250 U V USSR-EUROPEAN RIV. CHELKAR RARL 47.5N 65.5E 99.5N 66.3E 50.0N USSR-EUROPEAN RIV. CHELKAR RARL 47.5N 65.5E 99.5N 66.3E 50.0N USSR-EUROPEAN RIV. CHELKAR RARL 47.5N 65.5E 99.5N 66.3E 50.0N USSR-EUROPEAN RIV. CHELKAR RARL 47.5N 65.5E 49.5N 66.3E 50.0N RIV. CHELKAR ARAL 54.5N 65.6E 49.5N 66.3E 50.0N RIV. CHELKAR ARAL 54.5N 65.0E 49.5N 66.3E 50.0N RIV. CHELKAR ARAL 54.5N 65.6E 46.9N 71.2E 70 LO 250 U N USSR-MIDDLE CLOUD OF MARTABAN RIV. RIV. RIV. RIV. RIV. RIV. RIV. RIV.		95	PHILIPPINE SEA			.8N 122	ď	0	•	9910429	073346	139	274	36		
PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 125.0E 8.7N 128.7E 8.50 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 125.0E 8.7N 128.7E 8.50 N N PHILIPPINES BOHOL, LEYTE-SUNGLINT 10.0N 125.0E 8.7N 128.7E 8.50 N N N N N MINDAMO-WORG GUINT 10.0N 125.0E 8.1N 129.2E 40 LO 250 N N N MINDAMO-WORG GUINT 10.0N 125.0E 8.1N 129.2E 40 LO 250 N N N MEST NEW GUINEA-N COAST 1.0S 134.0E 6.5N 132.0E 25 NV 250 N N N WEST NEW GUINEA-N COAST 1.0S 134.0E 6.5N 132.0E 5 NV 250 N N N WEST NEW GUINEA-N COAST 1.0S 134.0E 6.5N 137.9E 30 LO 250 U N WEST NEW GUINEERPOSED 6.9S 137.9E 30 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.2E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.2E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.3N 52.4E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.3N 52.4E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.3N 52.4E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.3N 62.4E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.3N 62.4E 5 LO 250 U N USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.3N 62.4E 5 LO 250 U N USSR-EUROPEAN SARAL SEA-BARRAKEL'MES 1 45.5N 60.5E 69.3N 65.3E 69.0N C. USSR-EUROPEAN SARAL SEA-BARRAKEL'MES 1 45.5N 60.5E 69.3N 65.3E 69.0N N USSR-EUROPEAN SARAL SEA-BARRAKEL'MES 1 45.5N 60.5E 69.3N 65.7E 60.0N N CLOUDS CLOUD HOLE SHUBMA GUILF OF MARTABAN 18.0N 97.0E 15.7N 101.1E 70 HO 50 N Y BURMA GUILF OF MARTABAN 18.0N 97.0E 15.7N 101.1E 70 HO 50 N Y BURMA GUILF OF BANGKOK MALAY P 10.5N 98.0E 10.3N 105.1E 55 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 10.0N 98.0E 10.3N 105.1E 50 N N Y THAILAND MALAY PENINSULA-SUNGLINT 90.5N 100.0E 54.0N 105.0E 94.100.5E 94.0N 105.0E N N Y THAILAND MALAY PENINSULA-SUNGLINT 90.5N 100.0E 55.0N 100.0E 50 N N Y THAILAND MALAY PENINSULA-SUNGLINT 90.5N 100.0E 56.0D 94.0D 56.0D 94.0D 56.0D 94.0D 50 N N Y THAILAND MALAY PENINSULA-SUNGLINT 90.5N 100.0E 56.0D 94.0D 50 N N Y THAILAND MALAY PENINSULA-SUNGLINT			DHTI TOOTNES	۲ ب	126	721 NO.	26				709270	1 20	280	000	4	
PHILIPPINES BOHOL, LEYTE-SUNGLINT BOHOLLIPPINES CAMIGUIN ISUNGLINT BOHOLLIPPINES CLOUDS CLO			DHTI TESTNES			121 NO.	25				73647	1 20	200	2 6	2 4	
PHILIPPINES CAMIGUIN ISUNGLIN PHILIPPINES CLOUDS CLOUGS-UNDEREXPOSED CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUD WAVES-UNDEREXPOSED CLOUD WAVES-UNDEREXPOSED CLOUD WAVES-UNDEREXPOSED CLOUDS CLOUD WAVES-UNDEREXPOSED IS.SR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.6N 51.2E 5 LO 250 U Y 1 USSR-EUROPEAN CLOUDS CLOUD WAVES-UNDEREXPOSED IS.SR-EUROPEAN ARAL SEA-BARSAKEL WES I. 45.5N 65.56 45.5N 64.3E 56.0D U Y 11.0E 70 UN 1		٠,	CHILLIA INC.			0.3H 120	3 6	200	- >		10000	2 0	100	, ,	2 4	
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PACIFIC OCEAN ISLAND HELENARD-WOODLY 0.50 125.0E 0.500 N N I INDONESIA WEST NEW GUINEAN ECAST 1.0S 134.0E 55 NV 250 N N I INDONESIA WEST NEW GUINEAN COAST 1.0S 134.0E 55 NV 250 N N I INDONESIA CLOUDS-UNDEREXPOSED 6.95 137.9E 30 LO 250 U N I INDONESIA CLOUDS-UNDEREXPOSED 18.1S 144.8E 100 LO 250 U N I INDONESIA CLOUDS-UNDEREXPOSED 18.1S 144.8E 100 LO 250 U N I INDONESIA CLOUDS CLOUDS-UNDEREXPOSED 18.1S 144.8E 100 LO 250 U N I INDONESIA CLOUDS-UNDEREXPOSED 18.1S 144.8E 100 LO 250 U N I INDONESIA CLOUDS CLOUD CLOUDS CLOUDS CLOUD CLOUD CLOUDS CLOUD		, .	PHILIPPINES	CAMIGOIN I. SONGLINI		871 N. 1.29	9 0	067	Z :		10/5/0	120	707	7 2	2 ;	
PALLIL UCEAN ISLAND HELEN KEEF HARLANGEN SEA 3.0N 132.0E 25 NV 250 N N INDONESIA WEST NEW GUINEAN COAST 1.0S 134.0E 3.2N 132.0E 25 NV 250 N N INDONESIA WEST NEW GUINEAN COAST 1.0S 134.0E 3.2N 132.0E 25 NV 250 N N INDONESIA CLOUDS CLOUD WAVES-UNDERAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.5N 51.6E 5 LO 250 U Y 1 USSR-EUROPEAN SARATOVSKOYE RES. BALAKO 52.5N 48.0E 54.5N 51.6E 5 LO 250 U Y 1 USSR-EUROPEAN LAKE ARALSOR 49.0N 48.0E 54.2N 52.7E 5 LO 250 U N 1 USSR-EUROPEAN UIL RIVER RALSOR 49.0N 55.0E 50.3N 62.8E 5 LO 250 U N 1 USSR-EUROPEAN UIL RIVER RARL 47.5N 60.5E 50.3N 64.3E 0 LO 250 U N 1 USSR-EUROPEAN ARAL SEA-NW PART 45.5N 60.5E 49.2N 65.0E 0 LO 250 U N 1 USSR-MIDDLE ARAL SEA-NW PART 45.5N 60.5E 49.2N 66.3E 25 LO 250 U N 1 USSR-MIDDLE ARAL SEA-NW PART 46.0N 66.5E 46.9N 71.2E 70 LO 250 U N 1 USSR-MIDDLE ARAY SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N N 1 HAILAND BURMA GULF OF MARTABAN 18.0N 97.0E 117.1N 100.9E 70 HO 50 N Y 1 BURMA GULF OF MARTABAN 18.0N 97.0E 117.1N 100.9E 70 HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 10.0N 98.0E 10.3N 10.5E 50 HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 106.7E 50. HO 50 N Y 1 HAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.5D N 100.6E 9.5D N M		.	PHILIPPINES	MINDANAG-MOKO GOLF		6.5N 130	200	720	2 :		67/8/0	138	787	ç,	2 ;	
INDORESTA WEST NEW GUINEA-N COAST 1.0S 134.0E 53 134.0E 55 NV 250 N N 1 CLOUDS		o.	PACIFIC OCEAN ISLAND	HELEN REEF-HALHAMERA	. UN 132	3.2N 132	52	250	2		0/3828	138	284	22	15	
CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUDS CLOUD WAVES-UNDEREXPOSED CLOUD WAVES-UNDEREXPOSED CLOUD WAVES-UNDEREXPOSED CLOUD WAVES-UNDEREXPOSED USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.6E 5 LO 250 U Y 1 USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.3N 52.4E 5 LO 250 U Y 1 USSR-EUROPEAN USS		ထ	INDONESIA	WEST NEW GUINEA-N COAST	134.	.35 134	92	250	Z		073931	138	285	13	12	
CLOUDS CLOUDS CLOUD WAVES-UNDEREXPOSED USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.6N 51.2E 5 LO 250 U Y 1 USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.6E 5 LO 250 U Y 1 USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 52.4E 5 LO 250 U Y 1 USSR-EUROPEAN USSR-EUROPEAN USSR-EUROPEAN ULL RIVER NULL RIVER NU		7	CLOUDS	CLOUDS-UNDEREXPOSED		.95 137.	30		-		074129	138	286	13	15	
USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.2E 5 LO 250 U Y USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.6E 5 LO 250 U Y USSR-EUROPEAN USSR-EUROPEAN USSR-EUROPEAN UIC RAKLESOR USSR-EUROPEAN USSR-EUROPEAN UIC RAKLESOR USSR-MIDDLE USSR-MIDSLOW UN 49.0E 50.3N 97.4E 50.0 U N N N N N N N N N N N N N N N N		ω	CLOUDS	CLOUD WAVES-UNDEREXPOSED		.15 144	100			9910429	074451	139	286	က	15	
USSR-EUROPEAN SARATOVSKOYE RESBALAKO 52.5N 48.0E 54.5N 51.6E 5 LO 250 U Y USSR-EUROPEAN SARATOVSKOYE RES. 52.0N 48.0E 54.2N 52.4E 5 LO 250 U Y USSR-EUROPEAN LAKE ARALSOR 49.0N 49.0E 54.2N 52.7F 5 LO 250 U N USSR-EUROPEAN UIL RIVER 49.0N 48.0E 54.2N 57.7E 5 LO 250 U N USSR-EUROPEAN UIL RIVER 49.0N 48.0E 50.3N 64.7E 10.250 U N USSR-EUROPEAN RIV., CHELKAR NEAR ARAL 47.5N 60.5E 50.3N 64.7E 10.250 U Y USSR-MIDDLE ARAL SEA-NW PART 45.5N 60.5E 49.2N 66.7E 49.2N 66.7E 49.2N 66.7E 49.2N 66.7E 10.250 U Y 97.0E		on	USSR-EUROPEAN		5N 48.0	.6N 51	s,		J Y 16	9910429	085014	145	186	on i	16	
USSR-EUROPEAN ULRIVER ARALSOR USSR-EUROPEAN ULRIVER ARALSOR USSR-EUROPEAN ULRIVER ARALSOR USSR-EUROPEAN ULRIVER ARALSOR USSR-EUROPEAN ULRIVER ARALSOR USSR-EUROPEAN		10	USSR-EUROPEAN		48	54.5N 51	S		J Y 19	19910429	085017	145	187	49	16	
USSR-EUROPEAN PUGACHEV-NEAR VOLGA R. 52.0N 49.0E 54.2N 52.7F 5.0 250.U N USSR-EUROPEAN LAKE ARALSOR 49.0N 48.5E 53.7N 54.7F 10 LO 250.U N USSR-EUROPEAN UIL RIVER 49.0N 55.0E 50.9N 62.8E 5 LO 250.U N USSR-EUROPEAN RIV., CHELKAR NEAR ARAL 47.5N 60.5E 50.3N 64.3E 0 LO 250.U N USSR-EUROPEAN ARAL SEA-BARSAKEL'MES I. 45.5N 60.5E 49.0N 63.E 50.3N 64.3E 0 LO 250.U N USSR-MIDDLE ARAL SEA-NW PART 45.5N 60.5E 49.2N 65.E 49.2N 65.D 0 N 7 65.D 0 N 7 10 250.U N 0		11	USSR-EUROPEAN		48	54.3N 52	ß			19910429	085025	145	188	20	16	
USSR-EUROPEAN LAKE ARALSOR 49.0N 48.5E 53.7N 54.7E 10 250 U N USSR-EUROPEAN UIL RIVER 49.0N 55.0E 50.9N 62.8E 5 LO 250 U N USSR-EUROPEAN RIV., CHELKAR NEAR ARAL 47.5N 60.5E 50.3N 64.3E 0 LO 250 U N USSR-MIDDLE ARAL SEA-BARSAKEL'MES I. 45.5N 60.5E 49.5N 66.7E 35 LO 250 U N USSR-MIDDLE ARAL SEA-NW PART 45.5N 60.5E 49.2N 66.7E 35 LO 250 U N USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 66.7E 35 LO 250 U N USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 U N CLOUDS CLOUD HOLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 U N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.0E 70 100 50 N BURMA<		12	USSR-EUROPEAN	VOLGA	49	54.2N 52	ა	250	z		085028	145	188	20	16	
USSR-EUROPEAN UIL RIVER 49.0N 55.0E 50.9N 62.8E 5 LO 250 U N USSR-EUROPEAN RIV., CHELKAR NEAR ARAL 47.5N 60.5E 50.3N 64.3E 0 LO 250 U N USSR-EUROPEAN ARAL SEA-BARSAKEL'MES I. 45.5N 60.5E 49.5N 66.7E 35 LO 250 U Y USSR-MIDDLE ARAL SEA-NW PART 45.5N 60.5E 49.2N 66.7E 35 LO 250 U Y USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 66.7E 35 LO 250 U Y USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N N CLOUDS CLOUD HOLE 22.3N 97.4E 100 LO 250 N N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 10 50 N Y BURMA GULF OF MARTABAN 18.0N 97.0E 15.7N 101.8E 56 HO 50 N Y BURMA BIGHT OF BANGKOK 13.0N 97.0E		13	USSR-EUROPEAN			53.7N 54	10	250	z	19910429	085048	145	192	90	16	
USSR-EUROPEAN RIV., CHELKAR NEAR ARAL 47.5N 60.5E 50.3N 64.3E 0 LO 250 U Y USSR-EUROPEAN ARAL SEA-BARSAKEL'MES I. 45.5N 69.5E 49.5N 66.7E 35 LO 250 U Y USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 68.9E 10 LO 250 U Y USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 68.9E 10 LO 250 U Y USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N N CLOUDS CLOUD HOLE 222.3N 97.4E 100 LO 250 N N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 HO 50 N Y HAILAND BIGHT OF MARTABAN 18.0N 97.0E 15.7N 101.8E 70 HO 50 N Y BURMA BIGHT OF BANGKOK-MALAY P 10.5N 98.5E 12.4N 103.0R 98.6E		14	USSR-EUROPEAN	UIL RIVER		50.9N 62	က	250	2		085216	144	206	51	16	
USSR-EUROPEAN ARAL SEA-BARSAKEL'MES I. 45.5N 59.5E 49.5N 66.3E 25.00 7 USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 68.9E 10.0 250 U Y USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 68.9E 10.0 250 U N USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N N CLOUDS CLOUD HOLE 222.3N 97.4E 100 LO 250 N N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 HO 50 N Y HAILAND BIGHT OF MARTABAN 18.0N 97.0E 15.7N 101.1E 70 HO 50 N Y BURMA BIGHT OF MARTABAN 18.0N 97.0E 15.7N 101.8E 70 HO 50 N Y BURMA MALAY PENINSULA SUNGLINT 9.5N 100.5N 98.5E		15	USSR-EUROPEAN		7.5N	50.3N 6	0	250	Z		085233	144	208	51	16	
USSR-MIDDLE ARAL SEA-NW PART 45.5N 60.5E 49.2N 66.7E 35 LO 250 U Y USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 68.9E 10 LO 250 N USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N CLOUDS CLOUD HOLE 22.3N 97.4E 100 LO 250 N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 N Y FHAILAND BIGHT OF MARTABAN 18.0N 97.0E 15.7N 101.1E 70 50 N Y BURMA BIGHT OF MARTABAN 13.0N 100.0E 13.7N 103.0E 60 HO 50 N Y BURMA BIGHT OF BANGKOK-MALAY P 10.5N 98.5E 12.4N 103.3E 55 HO 50 N Y THAILAND MALAY PENINSU		16	USSR-EUROPEAN	SEA-BARSAKEL'MES	5.5N	49.5N 6	25		-		085257	144	212	51	16	
USSR-MIDDLE LAKE SHUBAR TENGIZ 47.5N 65.0E 48.2N 68.9E 10 LO 250 N USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N CLOUDS CLOUD HOLE 22.3N 97.4E 100 LO 250 N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 HO 50 N THAILAND BIGHT OF MARTABAN 18.0N 97.0E 15.7N 101.1E 70 HO 50 N Y BURMA BIGHT OF MARTABAN 13.0N 100.0E 13.7N 103.0E 60 HO 50 N Y BURMA MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.5E 60 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5E 9.4N 106.5E 9.4N 106.5E 9.4N 106.5E 9.4		17	USSR-MIDDLE		5.5N 60.	49.2N 66	35			19910429 (085303	144	213	51	16	
USSR-MIDDLE ARYS SALT FLAT 46.0N 66.5E 46.9N 71.2E 70 LO 250 N CLOUDS CLOUD HOLE 22.3N 97.4E 100 LO 250 N BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 N Y BURMA GULF OF MARTABAN 18.0N 97.0E 16.7N 101.1E 70 HO 50 N Y HAILAND BIGHT OF BANGKOK 13.0N 100.0E 13.7N 103.0E 60 HO 50 N Y BURMA BIGHT OF BANGKOK MALAY PENINSULA SUNGLINT 10.0N 98.0E 10.3N 105.6E 50 HO 50 N Y THAILAND MALAY PENINSULA SUNGLINT 9.5N 100.0E 9.4N 106.5E 50 HO 50 N Y Y Y Y Y Y Y Y Y Y Y Y Y Y		18	USSR-MIDDLE	SHUBAR	7.5N 65.	48.2N 68	10				085330	143	217	51	16	
CLOUDS CLOUD HOLE BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 HO 50 N Y BURMA GULF OF MARTABAN 18.0N 97.0E 16.7N 101.1E 70 HO 50 N Y BURMA GULF OF MARTABAN 18.0N 97.0E 15.7N 101.8E 70 HO 50 N Y THAILAND BIGHT OF BANGKOK MALAY P 10.5N 98.5E 12.4N 103.8E 55 HO 50 N Y BURMA MALAY PENINSULA-SUNGLINT 9.5N 100.6E 9.4N 105.6E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 105.7E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 105.7E 50 HO 50 N Y		19	USSR-MIDDLE	F-	.0N 66.	.9N 71	70		N 15	9910429 (085401	143	221	51	16	
BURMA GULF OF MARTABAN 18.0N 97.0E 17.1N 100.9E 70 HO 50 N BURMA GULF OF MARTABAN 18.0N 97.0E 16.7N 101.1E 70 HO 50 N FURMA BIGHT OF MARTABAN 13.0N 100.0E 13.7N 103.0E 60 HO 50 N FURMA BIGHT OF BANGKOK-MALAY PIO.5N 98.5E 12.4N 103.8E 55 HO 50 N FURMA MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.5E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 106.2F 50 HO 50 N Y		20	CLOUDS	CLOUD HOLE		97	100		-		090220	139	270	38	16	
BURMA GULF OF MARTABAN 18.0N 97.0E 16.7N 101.1E 70 HO 50 N Y BURMA GULF OF MARTABAN 18.0N 97.0E 15.7N 101.8E 70 HO 50 N Y THAILAND BIGHT OF BANGKOK-MALAY P 10.5N 98.5E 12.4N 103.8E 55.HO 50 N Y BURMA MALAY PENINSULA-SUNGLINT 10.0N 98.0E 10.3N 105.1E 55.HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 106.7E 50.HO 50 N Y		21	BURMA	GULF OF MARTABAN	.0N 97	100	70				090355	139	275	34	16	
BURMA GULF OF MARTABAN 18.0N 97.0E 15.7N 101.8E 70 HO 50 N Y THAILAND BIGHT OF BANGKOK MALAY P 10.5N 98.5E 12.4N 103.8E 55 HO 50 N Y BURMA MALAY PENINSULA-SUNGLINT 10.0N 98.0E 10.3N 105.1E 55 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 105.6E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 106.7E 50 HO 50 N Y		22	BURMA	OF.	NO.	16.7N 101	70		_		090402	139	276	34	16	
THAILAND BIGHT OF BANGKOK 13.0N 100.0E 13.7N 103.0E 60 HO 50 N Y BURMA BIGHT OF BANGKOK-MALAY P 10.5N 98.5E 12.4N 103.8E 55 HO 50 N Y BURMA MALAY PENINSULA-SUNGLINT 10.0N 98.0E 10.3N 105.1E 55 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 105.7E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 105.7E 50 HO 50 N Y		23	BURMA	90		15.7N 101	70				090420	138	277	. 65	16	
BURMA BIGHT OF BANGKOK-MALAY P 10.5N 98.5E 12.4N 103.8E 55 HO 50 N Y BURMA MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 106.2E 50 HO 50 N Y		24	THAILAND	L.	-	13.7N 103	9				090456	138	278	32	16	
BURMA MALAY PENINSULA-SUNGLINT 10.0N 98.0E 10.3N 105.1E 55 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.0E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 106.2F 50 HO 50 N Y		52	BURMA	Ą	98	103	55		4 Y 15	19910429 (090519	138	279	31	16	
THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 HO 50 N Y THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5F 8.4N 106.2F 50 HO 50 N Y		58	BURMA	F	.0N	105	55		¥ Y 1⊊	19910429 (090557	138	280	59	16	
THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100 5F 8.4N 106.2F 50 HO 50 N Y 19		27	THAILAND	٩	.5N 100.	.4N 105	20		V Y 15	19910429 (090613	138	281	28	16	
		28	THAILAND	MALAY PENINSULA-SUNGLINT	9.5N 100.5E	8.4N 106.2E	50	HO 50 N	¥ Y 19	910429	090631	138	281	27	16	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ā	ű	GEOGRAPHIC NAME	FFATIIRE	CEN	CENTER	NADIR	E NO	F 25	u	DATE	GMT	1	A A	SUN	 8
1 6	,		MAI AV DENTAICH A CHINCI TAT	[2	101	7 5 1 4	100 00		4=	١	18	1	l	1	9
3 6	B C	MAI AVOTA		5 6	101.00		100.00		- >					, ,	2 4
2 6	9 5		NINSUL	5	104.0E		108.85	01.00	2 :						9 (
200	3.1		25.0				109.55		Z						9
80	32	SOUTH CHINA SEA	MALAY PEN.				111.2E		z		_				16
80	33	INDONESIA	SUMATERA-BELITUNG ISG		106.0E	5.75 1	114.4E		Z	19910429	9 091042				16
80	34	BRITAIN	SCOTLAND-MORAY FINVERN	57.5N	4.5W 5	56.8N	WS.9		z	19910429	9 101444	44 145	136		17
80	35	BRITAIN	SCOTLAND-MORAY FINVERN			96.9N	5.8W		250 N A	19910429	9 101450	50 145	5 137	41	11
80	36	BRITAIN	-NE CO	57.5N	2.0W 5	57.0N	9.0M	2		19910429	9 101457	57 145	138		17
80	37	BRITAIN	-ABERDEEN	57.0N	30	57.0N	4.2W		z	19910429	9 101504	04 145		42	11
80	38	BRITAIN	-ORKNEY ISLANDS	58.5N		57.2N	1.8W	2	Z	_	•				17
0	ç	D TATE	CATURETTE CHA ITOO		3	140 63	3	9	2 0	67070	•	•		;	ŗ
2 6	n (NIKITYO		NC . / C	MC.T	N7./C	MC.	2 :	2 007	RZPOTERT I	•	1	**1 0		1
20 (4	USSR-EUROPEAN	RESERVOIR?-HAZY		,	51.3N	39.1E	2	_	19910429	• •				1
08	41	USSR-EUROPEAN	THE DON-DUNES	49.5N		51.0N	40.0E	9	Z	•		_			11
08 	42	USSR-EUROPEAN		49.5N		50.7N	40.7E		Z		•	_			11
80	43	USSR-EUROPEAN		49.0N		49.8N	42.8E	2		-	•				17
80	44	USSR-EUROPEAN	VOLGA RVOLGOGRAD	48.5N	5E	49.2N	44.2E		Z	-	•		1 213		11
80	45	USSR-EUROPEAN	THE DON-DUNES	49.0N	44.0E 4	48.8N	44.8E	≩	Z	19910429	9 102249	14	4 214		11
80	46	USSR-EUROPEAN		49.0N	5E	48.3N	45.8E	≩	250 N N	19910429	9 102302	14	3 216		11
80	47	USSR-EUROPEAN	SALT PANS	47.0N	46.0E 4	47.9N	46.7E		250 N N	19910429	9 102313	13 143	3 217	51	17
80	48	USSR-EUROPEAN	VOLGA R. DELASTRAKHAN	46.5N	48.0E 4	47.6N	47.3E	0 0	250 N N	19910429	9 102321	21 143	3 218	51	11
,										;					1
80	49	USSR-EUROPEAN	VER	46.0N	9	47 . 1N	48.1E	0	250 N)	19910429	• •			51	11
80	20	USSR-EUROPEAN	VER DELTA	49.5N	B	47.0N	48.3E		z		•				11
80	51	USSR-EUROPEAN	SHSKOYE L.&SA	45.0N	7.5E	45.6N	55.3E	20 FO	z	_	_			50	17
80	25	USSR-EUROPEAN	-VOZROZHDENIYA I	45.0N		41.8N	56.3E	2	z						11
80	53	PAKISTAN	ANGE-QUETTA	30.5N	.0E	29.1N	69.5E	2	250 N N		•				17
80	54	PAKISTAN	RANGE	29.5N	5E	28.1N	70.3E		z		• •			43	17
80	92	PAKISTAN	NDUS RIVER	27.5N	69.0E 2	27.3N	70.9E	2	Z	-	9 103024				17
80	99	PAKISTAN	JAMRAO CANNAL-THAR DES.	26.0N	69.0E 2	25.6N	72.2E		z	1 19910429	9 103055				17
80	27	PAKISTAN	THUNDERSTORMS			24.5N	73.0E	오	Z	19910429	9 103115				11
80	28	INDIA	SALT PAN NEAR LITTLE RAN		••	23.6N	73.7E	5 LO	250 N N	N 19910429	1031	32 136	3 26	40	11
80	59	INDIA	COAST-NORTH SAHYADRI	20.0N	73.0E 1	19.7N	76.4E		250 N N	19910429	9 103244	44 139	3 273		11
80	90	CANADA-NS		45.5N	3	49.4N		30 10	z	19910429				_	18
80	61	CANADA-NS		46.5N		49.6N	57.8W	40 LO	250 N)	19910429	9 113935	35 144	101		18
80	62	CANADA-N		47.5N	3	90.9N	54.9W	2	z	19910429	9 114009	09 145		30	18
80	63	CANADA-N	AVALON PENEAST COAST	47.0N	3	51.5N	53.1W	40 LO	250 N Y	19910429	9 114029	29 145			18
80	64	CANADA-N	PENSEA	47.0N		51.9N	52.1W	2	z		9 114041	14		31	18
80	99	CANADA-N	AVALON PEN SEA ICE	46.5N	2€	52.5N	₩E.09	2	z	•	•	14			18
8	99					1.7N	64.6E	오	0	Y 19910429	_	13	8 284	1 22	18
80	67		CLOUDS-SUNGLINT-OVEREXP.			1.1N	65.0E		250 0)	19910429		~	3 588	21	18
80	88	INDIAN OCEAN	CLOUDS-SUNGLINT-OVEREXP.			.9S	66.1E	20 HO	250 O N	19910429	9 120828	28 13	3 28	50	82

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

<u> </u>	<u> </u>	GEOGRAPHIC NAME	FEATURE	CENTER		NADIR	٤	1 1 1	S DATE	GMT	_	A7 SUN	=	8
٤		The Court of the Court		1		מולים בי		16 67	١'	1	ı	إ	ı	وا
<u>_</u>	80				7	20.		0 052 07	19910429			987	2	ρ.
8	2	INDIAN OCEAN	CLOUDS-SUNGLINT-OVEREXP.		e	.7S 67.7E	E 35	5 HO 250 0 Y	19910429	120919 1	138	286	17	<u>~</u>
8	71	TANTAN OCEAN			4	V		HO 250 0	19910429			286	16	œ
3 3					, (,	, ;	2 9
9 8	7/	INDIAN OCEAN				69	9	HO 250 0	_			987	14	2
80	73	CANADA-N	HARP LAKE	55.0N	62.0W 55	62.	3.5	0 NV 250 N N	19910429	131223 1	145	122	37	61
80	74	CANADA - N	3		30	61		Z	-		145	124	37	19
<u> </u>	7.	N- WUNDO	AKE			. O.		N 050 0	•			126	ď	0
3 6	2 5		GLAND LANE		B			N 000 0.	٠,			9 9 9	9 9	2 9
≈	2		CLOUDS		39	13.		LO 250 N				245	4	<u>.</u>
8	11	MEDITERRANEAN SEA	CLOUDS		3 8	39.1N 14.2E	E 40	0 LO 250 N Y	19910429	3	142	242	49	19
80	78	MEDITERRANEAN SEA	NEAR EGADI ISCLOUDS	39.0N	12.5E 38	.8N 14.6	E 2	5 LO 250 N)	19910429	132550 1	142	243	49	19
-	F				ŧ	;		6	•		•	5	9	9
2 :	2 :	MEDI LEKKANEAN SEA	NEAR EGADI 15CLUUDS		ה	. DN 14.		N 067 07	-			2		D :
8	8	SICILY		38.0N	SE	4N 14.		LO 250 N	-			244	49	<u>6</u>
8	81	SICILY	TRAPANI	38.0N	12.5E 38.	.2N 15.2E	E 55	5 LO 250 N Y	19910429	132602 1	142	244	49	61
80	82	SICILY	TRAPANI	37.5N	13.0E 38.	.1N 15.3E	E 55	LO 250 N	19910429	132604 1	142	244	45	19
80	83	SICILY	CLOUDS-SOUTHERN COAST	37.5N	9	.0N 15		9	+~1	132607 1		245	49	61
80	84	SICILY	SOUTHERN COAST		, 2E	.8N 15.		LO 250 N				245	67	13
£	8	SICILY	N COAST-SED PLIME		1 12			N 050 N	N 10010420			248	9	9
3 6	9 0	MEDITEDBANCAN CCA		•		1 7		LO 250	1991042			0 1 1	2 5	2 6
3 6	9 6				40	ST NO		N 002 07	7			707	•	2 :
2 2 	à				34	.4N 19.	u.	LO 250 N	1991042	132/18 1		252	47	13
8	88	MEDITERRANEAN SEA	CLOUDS-SUNGLINT		33	.8N 19.8	E 40	LO 250 N	Y 19910429	132730 1	141	253	47	61
-	o	A TO THE DESCRIPTION OF A TOTAL	tat Cano acid a		ć			6	•	•		,	;	9
0	0				2	2		N 067 07				503	4	7
8	6				33	20.		LO 250 N	•	132743 1	141	254	46	19
8	91				32	20.	8E 40	LO 250 N	19910429	132751 1	141	255	46	61
80	35	MEDITERRANEAN SEA	CLOUDS-SUNGLINT		32	32.4N 21.0	0£ 40	0 LO 250 N Y	19910429	132757 1	141	256	46	19
8	93	LIBYA	COAST-DUST STORM		30.	.8N 22.5E	E 10	LO 250 N	-	132828 1		258	45	6
80	94	LIBYA	ORM		30.	2N 23		10 250 N				259	5.	6
8	5	LIBYA	DIIST STORM-CLOUDS		50	5N 23.		N 055 01	٠ –			26.1	. P	9
- E	9	N-WSII	, °	41 5N 1	119 OW 27	121 NO		10 250 R	٠.					2 0
£	0.0	\N-\V.	BACIN DANCE -MOUNTAINS		3	120 Mg	ď	2000			9 6	3 6	ru	, ,
8 8	86	USA		;	5	3N 118.		LO 250 N	1991	-	143	8 2	· ~	20
6	Š	¥31	2		•	;		4			9	6		,
8	n	¥60	GREAL DASIN		76	. SN 115.		N 007 07	19910429		5	ΩΩ		2
8			LLS RESLAVA FLS	3.0N 1	113.0W 44	.8N 112.2W		LO 250 N	19910429	143647 1	144	91	22	20
81		A ANGOLA	CUBANGO R, CAMUNDA R.	16.25	17.3E		15	2 LO 250 N N						
81		B NAMIBIA	DER		16.8E		Ŭ	LO 250 N						
8	0	C NAMIBIA	DUNES	.85	18.6E		_	10 250 N						
-			NTEIN AFLD AGE	30	18 25		_	250 N						
5 6		DEBINO TO COURT	ACD BOADS	•	•		•							
5 6) C	REPUBLIC SOUTH	AGK,				2 ;	LO 250 N						
		REPUBLIC SOUTH	AGK, JALI FANS	6			12	N 062 07						
50	<i>9</i>		SIUKMBEKG, KKAAL K.	31.25	27.7E		10	2 5						
81		H LAND	CLUUDS, MIN. KANGES				š	0 HO 250 0 Y						
							١							l

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

1. SECONDSTANT 1. S	ā	8	THE STATE STATE	TOTAL TOTAL	CENTER	WADIR	11 33	2445	TW2	SUN .	٦
0 U USSR-PACIFIC OCCAN 0 U U USSR-PACIFIC OCCAN 0 U U U U U U U U U U U U U U U U U U U				F	ראו	רטו		1	1	1	Ī
0 L USSR-PACIFIC CREAM CLOUDS, WITH RANGES 0 N USSR-PACIFIC CREAM CLOUDS AKKHALIN 1-SE PERINSULA 46.44 142.6E 0 10.250 U 250 U 10.0 U USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 100 LO 250 N 100 LO 25	81		LAND				HO 250	>			
0 U USSR-PACIFIC SAKHALIN 1-SE PENINSULA 46.7N 143.8E 0 LO 250 U USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 100 LO 250 N USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 100 LO 250 N USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 100 LO 250 N USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 100 LO 250 N USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 100 LO 250 N USSR-PACIFIC KAMCHATKA-SE COAST, SNOW 62.5M 156.7E 40 LO 250 N USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.4M 159.3E 15 LO 250 N USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.4M 159.3E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM SSA ICE CAST, SNOW 64.7M 159.9E 15 LO 250 N USSR-PACIFIC CREAM CLOUDS-WATER SSA ICE CAST, SNOW 65.0C SNOW CLOUDS-WATER SSA ICE COUNS-WATER SSA ICE CAST SNOW 65.0C SNOW CCAN SNOW 65.0C SNOW CCAN SNOW 65.0C SNOW CCAN SNOW 65.0C SNOW SNOW SNOW SNOW SNOW SNOW SNOW SNOW	81		LAND	_			HO 250	z			
0 N USSR-PACIFIC CRAM CLOUD WAKES OVER ISLANDS 0 PACIFIC CREAM CLOUD WAKES OVER ISLANDS 0 USSR-PACIFIC CREAM STATIC 0 USSR-PACIFIC CREAM STATIC 0 USSR-PACIFIC CREAM CLOUDS-WATER CLOUD WATER CLOUDS-WATER CLOUDS	81		USSR-PACIFIC	I-SE PENINSULA	143		LO 250	z			
0 P PACIFIC COEAM CLOUD WAKES OVER ISLANDS 0 PACIFIC COEAM CLOUD WAKES OVER ISLANDS 0 R PACIFIC COEAM CLOUD WAKES OVER ISLANDS 0 S USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 0 S USSR-PACIFIC CREAM CLOUD WAKES OVER ISLANDS 0 S USSR-PACIFIC CRAMCHATKA-SE COAST, SNOW 62.5M 156.7E 0 U USSR-PACIFIC CRAMCHATKA-CS STUBINSKIT 53.2M 156.7E 0 U USSR-PACIFIC CRAMCHATKA-CS STUBINSKIT 53.2M 156.6E 0 W USSR-PACIFIC CRAMCHATKA-CS STUBINSKIT 53.2M 156.9E 0 V USSR-PACIFIC CRAMCHATKA-CS STUBINSKIT 53.2M 156.9E 0 V USSR-PACIFIC CRAMCHATKA-CS STUBINSKIT 53.2M 156.9E 0 V USSR-PACIFIC CRAM STATE CALOUD TIELD OAD DCEAM STATE CALOUDS-WATER CALOUDS-WATER CALOUS-WATER CA	81	_	USSR-PACIFIC	I-L.TUNAYCHA	143		LO 250	æ			
0 P PACIFIC OCEAN SEA ICE CLOUD WAKES OVER ISLANDS 100 LO 250 N 0 Q PACIFIC OCEAN CLOUD WAKES OVER ISLANDS 100 LO 250 N 0 S PACIFIC OCEAN CLOUD WAKES OVER ISLANDS 100 LO 250 N 0 T USSR-PACIFIC KURILES-PARAMUSHIR I. 50.3N 155.7E 40 LO 250 N 0 U USSR-PACIFIC KAMCHATKA-VACHINGKAY B 53.0N 158.8E 5 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-CSHIPUNSKIY 53.2N 159.9E 10 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-CHATKA-CHATY, VDL.Y. DK 64.7N 158.9E 10 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-CENT, VAL.Y. DK 64.7N 158.9E 50 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-CENT, VAL.Y. DK 64.7N 158.9E 50 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-CENT, VAL.Y. DK 64.7N 158.9E 50 LO 250 N 0 AD DISSR-PACIFIC KAMCHATKA-CENT, VAL.Y. DK 64.7N 158.9E 50 LO 250 N 0 AD DISSR-PACIFIC KAMCHATKA-CENT, VAL.Y. DK 64.7N 158.9E 50 LO 250 N 0 AD DISSR-PACIFIC CLOUDS-WATER 62.0H 158.0E 60 LO 250 N 0 AD DISSR-PACIFIC CLOUDS-WATER 62.0H 158.0E 60	81			I-E. CST. AFLD	142		250	z			
0 0 PACIFIC OCEAN CLOUD WAKES OVER ISLANDS 0 0 PACIFIC OCEAN CLOUD WAKES OVER ISLANDS 0 0 SUSR-PACIFIC KURILES-PARAMUSHIR I. 60.3M 155.7E 100 L0 250 N 100 L0 250	81		_	•			L0 250	z			
Decirity ocean Cloud wakes over Islands 100 10 250 N	81			CLOUD WAKES OVER ISLANDS			LO 250				
0 S USSR-PACIFIC KURILES-DARAMUSHIR I. 60.3N 156.7F 40 L0 250 N 10 USSR-PACIFIC KURILES-DARAMUSHIR I. 60.3N 156.7F 40 L0 250 N 10 USSR-PACIFIC KAMCHATKA-SK COAST, SNOW 62.6N 158.5E 5 L0 250 N 10 USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 63.4N 158.9E 10 L0 250 N 10 V USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 63.4N 159.9E 15 L0 250 N 10 V USSR-PACIFIC CERM SEA ICE 83.4N 159.3E 10 L0 250 N 10 V USSR-PACIFIC CERM SEA ICE 84 LOUGH SEA ICE 85 LO 250 N 10 S S LO 250 N 10	81			CLOUD WAKES OVER ISLANDS			10 250	: 2			
0 T USSR-PACIFIC KURILES-PARAMUSHIR I 50.3N 155.7F 40 L0 250 N	81		USSR-PACIFIC				10 250	: 2			
0 U USSR-PACIFIC KAMCHATKA-SE COAST, SNOW 52.5M 158.5E 5 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-SE COAST, SNOW 52.5M 158.5E 0 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-C. SHIPUNSKIY 53.2M 159.9E 15 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-C. SHIPUNSKIY 53.4M 159.3E 10 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-C. SHIPUNSKIY 53.4M 159.3E 10 LO 250 N 0 V USSR-PACIFIC KAMCHATKA-C. SHIPUNSKIY 53.4M 159.3E 10 LO 250 N 0 A USSR-PACIFIC CEAN CLOUD FIELD 60 LO 250 N 0 AC PACIFIC OCEAN CLOUDS-WATER 60 LO 250 N 0 AC DOCEAN CLOUDS-WATER 62 LO 250 N 0 AC OCEAN CLOUDS-WATER 25 LO 250 N 0 AL OCEAN CLOUDS-WATER 25 LO 250 N 0 AL OCEAN CLOUDS-WATER 25 LO 250 N 0 AL OCEAN CLOUDS-WATER 20 LO 250 N 0 AD OCEAN CLOUDS-WATER 20 LO 250 N 0 AD OCEAN CLOUDS-WATER 20 LO 250 N 0 AD OCEAN CLOUDS-WATER 20 LO 250 N 0 AS OCEAN CLOUDS-WATER <td>81</td> <td></td> <td>USSR-PACIFIC</td> <td>KURILES-PARAMUSHIR I.</td> <td></td> <td></td> <td>LO 250</td> <td>. 22</td> <td></td> <td></td> <td></td>	81		USSR-PACIFIC	KURILES-PARAMUSHIR I.			LO 250	. 22			
O V USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.2N 158.9E 0 LO 250 N LO W USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.2N 158.9E 15 LO 250 N LO W USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.2N 158.9E 15 LO 250 N LO 2 DATE CORAN SEA ICE 15 LO 250 N LO 2 DATE CORAN SEA ICE 15 LO 250 N LO 2 DATE CORAN SEA ICE 15 LO 250 N LO 2 DATE CORAN SEA ICE 15 LO 250 N LO 2 DATE CORAN SEA ICE 15 LO 250 N LO 250 N LO 2 DATE CORAN SEA ICE 15 LO 250 N LO 25			0111040.03011		,			2			-
OV STAR-PACIFIC KAMCHATKA-CENT. VAL. V. DK 53.2M 159.8E 10 LO 250 N O X USSR-PACIFIC KAMCHATKA-CESTIPUNSKIY 53.2M 159.8E 10 LO 250 N O X USSR-PACIFIC KAMCHATKA-CESTIPUNSKIY 53.2M 159.9E 10 LO 250 N O Y USSR-PACIFIC KAMCHATKA-CENT. VAL. V. DK 54.7M 158.9E 10 LO 250 N O Z PACIFIC OCEAN SEA ICE 60 LO 250 N O AB PACIFIC OCEAN SEA ICE 60 LO 250 N OAD USSR-PACIFIC OCEAN CLOUDS-WATER 60 LO 250 N OAD USSR-PACIFIC CLOUDS-WATER 25 LO 250 N OAD USSR-PACIFIC CLOUDS-WATER 25 LO 250 N OAD USSR-PACIFIC CLOUDS-WATER 25 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N OAD OCEAN CLOUDS-WATER 25 LO 250 N OAD OCEAN CLOUDS-WATER 35 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N OA	70		USSA-PACIFIC		20		רח לפו	2 ;			
O W USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.2N 159.9E 15.10.250 N O Y USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 53.4N 159.3E 10.10.250 N O Y USSR-PACIFIC KAMCHATKA-CENT.VAL.Y.DK 54.7N 158.9E 15.10.250 N O Z PACIFIC OCEAN SEA ICE 60.10.250 N 10.00.250 N OAD PACIFIC OCEAN SEA ICE 60.10.250 N OAD USSR-PACIFIC CLOUD FIELD 60.10.250 N OAD USSR-PACIFIC CLOUDS-WATER 60.10.250 N OAD USSR-PACIFIC CLOUDS-WATER 20.00.250 N OAD OCEAN SNGLT, MOTTLED SURFACE 40.00.250 N	81		USSR-PACIFIC	8			LO 250	2			
0 X USSR-PACIFIC KAMCHATKA-C. SHIPUNSKIY 53.4M 159.3E 10 LO 250 N 0 Y USSR-PACIFIC KAMCHATKA-CENT. VAL. V. DK 64.7N 158.9E 15 LO 250 N 0 Q Y USSR-PACIFIC SEA ICE 60 LO 250 N 0 AB PACIFIC OCEAN SEA ICE 60 LO 250 N 0 AB PACIFIC OCEAN CLOUD FIELD 86 HO 250 N 0 AC DACIFIC CLOUD FIELD 86 HO 250 N 0 AC DACIFIC CLOUDS-WATER 60 LO 250 N 0 AG OCEAN CLOUDS-WATER 20 LO 250 N 0 AG OCEAN CLOUDS-WATER 20 LO 250 N 0 AJ OCEAN CLOUDS-WATER 20 LO 250 N 0 AJ OCEAN CLOUDS-WATER 35 LO 250 N 0 AJ OCEAN CLOUDS-WATER 35 LO 250 N 0 AJ OCEAN CLOUDS-WATER 35 LO 250 N 0 AN OCEAN CLOUDS-WATER 35 LO 250 N 0 AN OCEAN CLOUDS-WATER 35 LO 250 N 0 AG OCEAN CLOUDS-WATER 35 LO 250 N 0 AN OCEAN CLOUDS-WATER 40 LO 250 N 0 AN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N	81		USSR-PACIFIC				LO 250	2			
0 Y USSR-PACIFIC KAMCHATKA-CENT.VAL, V.DK 54.7N 158.9E 15 LO 250 U 0 Z PACIFIC OCEAN SEA ICE 60 LO 250 N 0 AB PACIFIC OCEAN SEA ICE 60 LO 250 N 0 AB PACIFIC CCEAN CLOUDS -WATER 60 LO 250 N 0 AE OCEAN CLOUDS -WATER CLOUDS -WATER 60 LO 250 N 0 AG OCEAN CLOUDS -WATER CLOUDS -WATER 25 LO 250 N 0 AG OCEAN CLOUDS -WATER 30 LO 250 N N CD D	81		USSR-PACIFIC	-C.SHIPUNSKIY			LO 250	z			
O Z PACIFIC OCEAN SEA ICE 60 LO 250 N OAA PACIFIC OCEAN SEA ICE 60 LO 250 N OAB PACIFIC OCEAN CLOUD FIELD 60 HO 250 N OAC PACIFIC OCEAN CLOUDS -WATER 85 HO 250 N OAE OCEAN CLOUDS-WATER 40 HO 250 N OAF OCEAN CLOUDS-WATER 25 LO 250 N OAG OCEAN CLOUDS-WATER 25 LO 250 N OAJ OCEAN CLOUDS-WATER 25 LO 250 N OAJ OCEAN CLOUDS-WATER 35 LO 250 N OAL OCEAN CLOUDS-WATER 35 LO 250 N OAL OCEAN CLOUDS-WATER 35 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N OAS OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 N OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N <td>81</td> <td></td> <td>USSR-PACIFIC</td> <td>-CENT.VAL,V.DK</td> <td>158</td> <td></td> <td>LO 250</td> <td>z</td> <td></td> <td></td> <td></td>	81		USSR-PACIFIC	-CENT.VAL,V.DK	158		LO 250	z			
OAA PACIFIC OCEAN SEA ICE 60 LO 250 N OAB PACIFIC OCEAN SEA ICE 60 HO 250 N OAD USSR-PACIFIC CLOUD FIELD 85 LO 250 N OAD USSR-PACIFIC KAMCHATKA-C. SHIPUNSKIY 52.51 158.0E 40 HO 250 N OAD USSR-PACIFIC CLOUDS-WATER 60 LO 250 N 60 LO 250 N OAG OCEAN CLOUDS-WATER 25 LO 250 N 60 LO 250 N OAJ OCEAN CLOUDS-WATER 25 LO 250 N 60 LO 250 N OAJ OCEAN CLOUDS-WATER 25 LO 250 N 60 LO 250 N OAJ OCEAN CLOUDS-WATER 33 LO 250 N 60 LO 250 N OAD OCEAN CLOUDS-WATER 35 LO 250 N 60 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N 60 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N 60 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N 60 LO 250 N OAD OCEAN CLOUDS-WATER 20 LO 250 N 60 LO 250 N OAD OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N <td>81</td> <td></td> <td>PACIFIC OCEAN</td> <td>SEA ICE</td> <td></td> <td></td> <td>LO 250</td> <td>2</td> <td></td> <td></td> <td></td>	81		PACIFIC OCEAN	SEA ICE			LO 250	2			
OAB PACIFIC OCEAN SEA ICE OAC PACIFIC OCEAN CLOUD FIELD OAD USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 52.0m 158.0E OAE OCEAN CLOUDS-WATER 40 H0 250 N OAF OCEAN CLOUDS-WATER 25 L0 250 N OAJ OCEAN CLOUDS-WATER 35 L0 250 N OAL OCEAN CLOUDS-WATER 35 L0 250 N OAD OCEAN CLOUDS-WATER 35 L0 250 N OAD OCEAN CLOUDS-WATER 35 L0 250 N OAD OCEAN CLOUDS-WATER 35 L0 250 N OAP OCEAN CLOUDS-WATER 35 L0 250 N OAP OCEAN CLOUDS-WATER 35 L0 250 N OAD OCEAN CLOUDS-WATER 35 L0 250 N OAD OCEAN CLOUDS-WATER 36 L0 250 N OAS OCEAN SNGLT, MOTTLED SURFACE 60 L0 250 N OAD OCEAN SNGLT, MOTTLED SURFACE 60 L0 250 N OAN OCEAN SNGLT, MOTT	81	OAA	PACIFIC	SEA ICE			LO 250	z			
OAC PACIFIC OCEAN CLOUD FIELD 85 HO 250 O OAD USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 52.0m 158.0E 40 HO 250 N OAE OCEAN CLOUDS-WATER 60 LO 250 N 60 LO 250 N OAF OCEAN CLOUDS-WATER 20 LO 250 N 70 LO 250 N OAJ OCEAN CLOUDS-WATER 20 LO 250 N 30 LO 250 N OAJ OCEAN CLOUDS-WATER 30 LO 250 N 30 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N 30 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N 30 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N 30 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N 30 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N 30 LO 250 N OAQ OCEAN CLOUDS-WATER 35 LO 250 N 30 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 2	81	OAB	PACIFIC	SEA ICE			HO 250	2			
OAD USSR-PACIFIC KAMCHATKA-C.SHIPUNSKIY 52.cm 158.0E 40 H0 250 N OAE OCEAN CLOUDS-WATER 26 L0 250 N OAG OCEAN CLOUDS-WATER 20 L0 250 N OAJ OCEAN CLOUDS-WATER 20 L0 250 N OAJ OCEAN CLOUDS-WATER 30 L0 250 N OAJ OCEAN CLOUDS-WATER 35 L0 250 N OAN OCEAN CLOUDS-WATER 35 L0 250 N OAM OCEAN CLOUDS-WATER 35 L0 250 N OAM OCEAN CLOUDS-WATER 35 L0 250 N OAN OCEAN CLOUDS-WATER 20 L0 250 N OAN OCEAN CLOUDS-WATER 20 L0 250 N OAN OCEAN CLOUDS-WATER 20 L0 250 N OAD OCEAN CLOUDS-WATER 20 L0 250 N OAD OCEAN CLOUDS-WATER 20 L0 250 N OAD OCEAN SNGLT,MOTTLED SURFACE 60 L0 250 N OAN OCEAN SNGLT,MOTTLED SURFACE </td <td>81</td> <td>OAC</td> <td></td> <td>CLOUD FIELD</td> <td></td> <td></td> <td>HO 250</td> <td></td> <td></td> <td></td> <td></td>	81	OAC		CLOUD FIELD			HO 250				
OAE OCEAN CLOUDS-WATER 60 LO 250 N OAF OCEAN CLOUDS-WATER 25 LO 250 N OAH OCEAN CLOUDS-WATER 20 LO 250 N OAH OCEAN CLOUDS-WATER 30 LO 250 N OAN OCEAN CLOUDS-WATER 35 LO 250 N OAN OCEAN CLOUDS-WATER 20 LO 250 N OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAN OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O	81	OAD		SHIPUNSKIY	52.0N 158.0E		HO 250	· 22			
OAE OCEAN CLOUDS-WATER 60 LO 250 N OAF OCEAN CLOUDS-WATER 25 LO 250 N OAH CLOUDS-WATER 20 LO 250 N OAH CLOUDS-WATER 30 LO 250 N OAN CLOUDS-WATER 30 LO 250 N OAN CLOUDS-WATER 35 LO 250 N OAN OCEAN CLOUDS-WATER OAN OCEAN 20 LO 250 N OAN OCEAN CLOUDS-WATER OAN OCEAN 20 LO 250 N OAN OCEAN 20 LO 250 N OAN OCEAN 20 LO 250 N OAD OCEAN 30 LO 250 N O	}	!						!			
OAF OCEAN CLOUDS-WATER 25 LO 250 N OAG OCEAN CLOUDS-WATER 20 LO 250 N OAH OCEAN CLOUDS-WATER 25 LO 250 N OAJ OCEAN CLOUDS-WATER 30 LO 250 N OAK OCEAN CLOUDS-WATER 35 LO 250 N OAM OCEAN CLOUDS-WATER 35 LO 250 N OAM OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAD OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAD OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAD OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAD OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAD OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED S	81	OAE		CLOUDS-WATER			LO 250	z			
OAG OCEAN CLOUDS-WATER 20 LO 250 N OAH OCEAN CLOUDS-WATER 25 LO 250 N OAJ OCEAN CLOUDS-WATER 30 LO 250 N OAK OCEAN CLOUDS-WATER 35 LO 250 N OAM OCEAN CLOUDS-WATER 35 LO 250 N OAM OCEAN CLOUDS-WATER 36 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 40 LO 250 N OAQ OCEAN SNGLT,MOTTLED SURFACE 60 LO 250 N OAT OCEAN SNGLT,MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT,MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT,MOTTLED SU	81	OAF	OCEAN	CLOUDS-WATER			LO 250	>-			
0AH OCEAN CLOUDS-WATER 25 LO 250 N 0AJ OCEAN CLOUDS-WATER 30 LO 250 N 0AK OCEAN CLOUDS-WATER 35 LO 250 N 0AH OCEAN CLOUDS-WATER 35 LO 250 N 0AN OCEAN CLOUDS-WATER 20 LO 250 N 0AN OCEAN CLOUDS-WATER 20 LO 250 N 0AP OCEAN CLOUDS-WATER 20 LO 250 N 0AR OCEAN SNGLT, WOTTLED SURFACE 60 LO 250 N 0AR OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV LO 250 O	81	OAG		CLOUDS-WATER			LO 250 (>			
0AJ OCEAN CLOUDS-WATER 30 LO 250 N 0AK OCEAN CLOUDS-WATER 35 LO 250 N 0AL OCEAN CLOUDS-WATER 35 LO 250 N 0AN OCEAN CLOUDS-WATER 20 LO 250 N 0AN OCEAN CLOUDS-WATER 20 LO 250 N 0AP OCEAN CLOUDS-WATER 20 LO 250 N 0AQ OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 N 0AS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AU OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AU OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O 0AY OCEAN <td>81</td> <td>OAH</td> <td></td> <td>CLOUDS-WATER</td> <td></td> <td></td> <td>LO 250</td> <td>></td> <td></td> <td></td> <td></td>	81	OAH		CLOUDS-WATER			LO 250	>			
OAK OCEAN CLOUDS-WATER 35 LO 250 N OAL OCEAN CLOUDS-WATER 35 LO 250 N OAN OCEAN CLOUDS-WATER 20 LO 250 N OAN OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAJ OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAJ OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O	81	OAJ	OCEAN	CLOUDS-WATER			LO 250	>			
OAL OCEAN CLOUDS-WATER 35 LO 250 N OAM OCEAN CLOUDS-WATER 20 LO 250 N OAN OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 N OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAJ OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O	81	OAK	OCEAN	CLOUDS-WATER			LO 250	> -			
OAM OCEAN CLOUDS-WATER 35 LO 250 N OAN OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 N OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAT OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O	81	OAL	OCEAN	CLOUDS-WATER			LO 250	>-			
OAN OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN CLOUDS-WATER 20 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 N OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAT OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAW OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O	81	OAM		CLOUDS-WATER			10 250	- 2			
OAQ OCEAN CLOUDS-WATER 40 LO 250 N OAQ OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 N OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAT OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAW OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O	. 6	OAN		CLOUDS-WATER			10 250	: 2			
OAQ OCEAN CLOUDS-WATER 40 L0 250 N OAR OCEAN SNGLT, MOTTLED SURFACE 70 L0 250 O OAS OCEAN SNGLT, MOTTLED SURFACE 60 L0 250 O OAT OCEAN SNGLT, MOTTLED SURFACE 40 L0 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 60 L0 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 L0 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 L0 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 L0 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 L0 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 L0 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 L0 250 O	81	OAP		CLOUDS-WATER			LO 250	: 2			•
OAQ OCEAN CLOUDS-WATER OAR OCEAN SNGLT,MOTTLED SURFACE 70 LO 250 N OAS OCEAN SNGLT,MOTTLED SURFACE 60 LO 250 O OAU OCEAN SNGLT,MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT,MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT,MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT,MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT,MOTTLED SURFACE 65 LO 250 O	_	,						;			
OAR OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAT OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O	8 -	OAC					LO 250	2			
OAS OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAT OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OBA OCEAN SNGLT, STORM 70 LO 250 O	81	OAR		LED			LO 250	> -			
OAT OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAU OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAW OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OBA OCEAN SNGLT, STORM 70 LO 250 O	81	OAS		rleo			LO 250	>-			
OAU OCEAN SNGLT, MOTTLED SURFACE 40 LO 250 O OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAW OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O OBA OCEAN SNGLT, STORM 70 LO 250 O	81	OAT		r.eo			LO 250	>-			
OAV OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAW OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O OBA OCEAN SNGLT, STORM 70 LO 250 N	81	OAU		TLED			LO 250	>-			
OAW OCEAN SNGLT, MOTTLED SURFACE 60 LO 250 O OAX OCEAN SNGLT, MOTTLED SURFACE 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O OBA OCEAN SNGLT, STORM 70 LO 250 N	81	0AV		TLED			LO 250	>-			
OAX OCEAN SNGLT, MOTTLED SURFACE . 65 LO 250 O OAY OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O OBA OCEAN SNGLT, STORM 70 LO 250 N	81	OAW		r.eo			LO 250	>-			•
OAY OCEAN SNGLT, MOTTLED SURFACE 70 LO 250 O 0BA OCEAN SNGLT, STORM 70 LO 250 N	81	0AX		TLED		٠	LO 250	> -			-
1 OBA OCEAN SNGLT, STORM 70 LO 250	81	OΑY		TLED			LO 250	>-			
	81	OBA		SNGLT, STORM			LO 250	>-			

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

LO 250 N Y HO 250 N Y HO 250 N Y HO 250 O N	RL	FR	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON	N	CC 1L	7	E S	DATE	GMT	Ā	AZS	SUN	క
OECEAM STORM STO	81	088		STORM							≻ 2						
OED CICKAM STORM	81	080		STORM							> Z						
CECAM STORM STORM SECRETAR COUNDS SECR	81	080		STORM .							> 2						
OFFICE COLORAY SCATTERED CLOUDS SOUR CEAN	81	08 E		STORM							-						
ORG OCEAN SCATTERED CLOUDS ORG DECON	81	08F		STORM													
OB HO OCEAN SCATTERED CLOUDS SO TO SO TO N SO TO SO	81	086		۵													
0BJ OCEAN SCATTERED CLOUDS 0BJ OCEAN SCATTERED CLOUDS 0BL ARABIAN SEA 0BL ARABIAN SEA SMCLT MOTILED SURFACE 1 SYRIA 1 SYRIA 1 SYRIA 1 SYRIA 1 THATTIAR L. EUPHARTES R. A. 31. N. 41. 18. 51. 31. N. 41. 18. 51. N. 41	81	08H															
0BK OCEAN OBL CARABIAN SEA MONSOON STORM CELLS 1 SYRTA 1 SYRTA	81	083		_													
ORD CREAN CARDINA SEA MONSOON STORM CELLS 14.1N 79.1 E 50 HO 250 N N 19910505 092310 141 251	81	08K		0													
DRZ OCEMAN SNGLT,MOTILED SURFACE 1 SYRTA EUPHRATIES RAGR, HAZY 1 SYRTA EUPHRATES R. 33.7M 43.3E 34.6M 40.6E 0.10.250 N 7 19910560 094623 144 176 5 IRAQ EUPHRATES R. 31.7M 43.5E 34.5M 40.8E 0.10.250 N 7 19910560 094637 144 177 5 IRAQ EUPHRATES RAGR, EUPHRATES R. 32.6M 44.1E 34.2M 41.3E 0.10.250 N 7 19910560 094637 144 178 6 IRAQ EUPHRATES RAGR, 22.6M 44.1E 34.2M 42.4E 0.10.250 N 19910560 094640 144 178 1 IRAQ EUPHRATES RAGR, 22.6M 44.1E 32.5M 42.4E 0.10.250 N 19910560 094671 144 182 1 IRAQ EUPHRATES RAGR, 22.6M 44.1E 32.3M 42.4E 0.10.250 N 19910560 094671 144 182 1 IRAQ EUPHRATES RAGR, 32.6M 44.1E 32.3M 42.4E 0.10.250 N 19910560 094700 144 181 1 IRAQ EUPHRATES RAGR, 32.6M 44.1E 32.3M 42.4E 0.10.250 N 19910560 094701 144 182 1 IRAQ EUPHRATES RAGR, 32.6M 44.1E 32.3M 42.4E 0.10.250 N 19910560 094701 144 182 1 IRAQ EUPHRATES RAGR, 31.5M 44.5E 32.3M 42.4E 0.10.250 N 19910560 094701 144 182 1 IRAQ EUPHRATES RAGR, 31.5M 44.5E 32.3M 42.4E 0.10.250 N 19910560 094701 144 183 1 IRAQ EUPHRATES RAGR, 31.5M 44.5E 30.3M 44.1E 0.10.250 N 19910560 094701 144 183 1 IRAQ EUPHRATES RAGR, 31.5M 44.5E 30.3M 44.1E 0.10.250 N 19910560 094701 144 183 1 IRAQ EUPHRATES RAGR, 31.5M 44.5E 0.10.250 N 19910560 094701 144 183 1 IRAQ EUPHRATES RAGR, 31.5M 44.5E 0.10.250 N 19910560 094901 13 190 EUPHRATES RAGR, 31.5M 44.5E 0.10.250 N 19910560 094901 13 190 EUPHRATES RAGR, 31.5M 44.5E 0.10.250 N 19910560 094901 13 190 EUPHRATES RAGR, 31.5M 44.5E 0.10.250 N 19910560 094901 13 190 EUPHRATES RAGR, 31.5M 44.5E 0.10.250 N 19910560 094901 13 190 EUPHRATES RAGRAM MATNS, COAST 17.0M 64.6E 0.10.250 N 19910560 094911 124 232 EGYPT NULL REASTERN DES.RED S.E.0M 45.6E 0.10.250 N 19910560 094911 124 232 EGYPT NULL RAGRAM MATNS, COAST 17.0M 64.6E 10.00 00 00 00 00 19910560 113209 111 247 EGYPT NULL RAGRAM RAGR RAGR RAGR 14.5M 33.6E 10.00 00 00 00 19910560 113209 114 20	81	0BL	ARABIAN	MONSOON STORM CELLS		ř.		Ξ.		~	Z	9910505			~	70	112
SYRIA EUPHRATES R. AGR. HAZY 34.5N 41.0E 35.3N 40.0E 50 N 199110505 094612 144 174	81	082		TTLED						~	>						
2 IRAQ 3 IRAQ 4 IRAQ 5 IRAQ 5 IRAQ 6 ILALAKE, EUPHRATES R. 33.7N 43.8E 34.8N 40.6E 0.LO 250 N V 19910505 094623 144 176 4 IRAQ 6 IRAQ 6 ILALAKE, EUPHRATES R. 33.6N 44.EE 34.5N 41.1E 0.LO 250 N V 19910505 094634 144 176 5 IRAQ 6 IRAQ 6 IRAQ 7 IRAQ 7 IRAQ 7 IRAQ 8 IRAQ	81	-	SYRIA	R.AG	34.5N		38	0.0E			N	991050				63	113
180 180	81	~	IRAO	EUPHRATES	33.7N			0.6E			z	991050				63	113
TRAQ MILH LAKE EDPHRATES R. 32.6N 44.1E 34.2N 41.1E 0 LO 250 N Y 19910505 094654 144 177 178	81	က	IRAO	MILH LAKE, EUPHRATES R.	33.1N			0.8E			>	9910505				63	113
5 IRAQ AGG, EUPHRATES RIVER 32.3N 4.4.6 34.0N 41.3E 0 LO 250 N Y 19910505 094657 144 178 6 IRAQ MILH LEPHRATES R.AGR. 32.3N 4.4.6 33.0N 42.1E 0 LO 250 N N 19910505 09466 144 178 8 IRAQ EUPHRATES R.AGR. 32.6N 44.5E 32.9N 42.1E 0 LO 250 N N 19910505 094700 144 181 9 IRAQ EUPHRATES R.AGR. 32.6N 44.5E 32.9N 42.7E 0 LO 250 N N 19910505 094700 144 181 10 IRAQ EUPHRATES R.AGR. 31.7N 44.5E 32.9N 42.6E 0 LO 250 N Y 19910505 094700 144 181 11 IRAQ EUPHRATES R.AGR. 31.7N 44.5E 32.9N 42.6E 0 LO 250 N Y 19910505 094700 144 181 12 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 40.0E 29.N 43.1E 0 LO 250 N Y 19910505 09474 143 186 13 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 40.0E 29.N 43.1E 0 LO 250 N Y 19910505 09474 143 196 14 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 40.0E 29.N 45.0E 0 LO 250 N Y 19910505 09476 143 196	81	4	IRAO	MILH LAKE, EUPHRATES R.	32.6N			1.1E				991050				64	113
6 IRAQ BAGDAD, EUPHRATES R. AGR. 33.3N 43.8E 33.6N 41.7F 0 LO 250 N N 19910505 94646 144 179 7 IRAQ BILAD BILAL L. EIPHRATES R. AGR. 32.0N 44.1E 32.0N 42.4F 0 LO 250 N N 19910505 094664 144 180 9 IRAQ EUPHRATES R. AGR. 32.0N 44.6E 32.9N 42.4F 0 LO 250 N N 19910505 094705 144 181 10 IRAQ EUPHRATES R. AGR. 31.7N 44.6E 32.9N 42.6F 0 LO 250 N 19910505 094705 144 182 11 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 49.0E 31.3N 43.9F 0 LO 250 N 19910505 09470 143 186 12 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 49.0E 29.N 44.9F 0 LO 250 N 19910505 09471 144 181 13 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 43.6E 0 LO 250 N </td <td>81</td> <td>လ</td> <td>IRAQ</td> <td>AGR, EUPHRATES RIVER</td> <td>32.3N</td> <td></td> <td></td> <td>1.3E</td> <td></td> <td></td> <td></td> <td>991050</td> <td></td> <td></td> <td></td> <td>64</td> <td>113</td>	81	လ	IRAQ	AGR, EUPHRATES RIVER	32.3N			1.3E				991050				64	113
TRAQ HIRAQ HILH L.EUPHRATES R.AGR. 32.6N 44.1E 33.2N 42.4E 0.10 250 N N 19910505 094700 144 181 181	81	9	IRAQ	BAGDAD, EUPHRATES R.	33.3N	3.8E		1.7E				991050				64	
B IRAQ EUPHRATES R, AGR. 32.0N 44.5E 22.9N 42.4E 0 0 250 N 19910555 0 94705 144 181	81	7	IRAQ		32.6N			2.1E			z	991050				65	
9 IRAQ 10 IRAQ 11 KUWAIT 11 KUWAIT 12 KUWAIT 13.1.5N 44.5E 32.3N 42.9E 0 LO 260 O Y 19910505 094711 144 183 11.5N WAIT 13.1.5N 44.5E 32.3N 42.9E 0 LO 260 O Y 19910505 094711 144 183 12.1.5N KUWAIT 13.1.5N MAZHURISC,CITY, SMOKE 29.5N 47.5E 30.1N 44.9E 0 LO 260 O Y 19910505 094738 143 187 14.1.5N KUWAIT 15.1.5N KUWAIT 16.1.5N KUWAIT 16.1.5N KUWAIT 17.5N KUWAIT 18.5N MAZHURISC,CITY, SMOKE 29.0N 48.0E 29.0N 45.1E 0 LO 260 O Y 19910505 094754 143 189 18.5N MAZHURISC,CITY, SMOKE 29.0N 47.9E 29.0N 45.1E 0 LO 260 O Y 19910505 094800 143 189 19.5N WAIT	81	&	IRAQ	EUPHRATES R,AGR.	32.0N			2.4E			Z	991050				65	
10 IRAQ 11 KUMAIT 12 KUMAIT 13 KUMAIT 14 KUMAIT 15 KUMAIT 16 CIL FIRES,CITY, SMOKE 17 SHOKE 18 SHORM 1	81	თ	IRAQ	s.	31.7N			2.6E				991050				65	113
10 IRAQ 110 IRAQ 110 IRAQ 110 IRAQ 110 IRAQ 111 IRAQ 112 KUWAIT 113 KUWAIT 114 IRAS,CITY, SMOKE 115 KUWAIT 115 KUWAIT 115 KUWAIT 115 KUWAIT 116 IRAS,CITY, SMOKE 117 SMOKE 118 IRAG 119 IRAG 119 IRAG 119 IRAG 119 IRAG 110 IRAG 111		;		,		1	;	;						;		;	
11 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 48.0E 31.3N 43.8E 0 LO 250 0 Y 19910505 094730 143 186 12 KUMAIT OIL FIRES,CITY, SMOKE 29.0N 48.0E 30.9N 44.1E 0 LO 250 0 Y 19910505 094754 143 189 13 KUWAIT OIL FIRES,CITY, SMOKE 29.0N 47.5E 30.1N 45.1E 0 LO 250 0 Y 19910505 094754 143 189 14 KUWAIT OIL FIRES,CITY, SMOKE 29.0N 47.5E 30.1N 45.1E 0 LO 250 0 Y 19910505 094800 143 189 15 KUWAIT OIL FIRES,CITY, SMOKE 29.0N 47.5E 30.1N 45.7E 0 LO 250 0 Y 19910505 094814 143 193 16 SAUDI ARABIA MATINIS, COAST 15 N 43.5E 28.0N 45.6E 0 LO 250 0 N 19910505 094814 143 193 17 OMAN MAHAAT MINS, COAST 15.0N 55.2E 17.4N 54.2E 30 LO 250 0 N 19910505 095139 142 235 18 OMAN KURINS, COAST 17.1N 64.9E 17.0N 54.4E 30 LO 250 N 19910505 095149 141 243 18 CGYPT NILE RIVER, LAKE MASSER 25.0N 34.0E 16.5N N 19910505 095165 141 242 18 GYPT NILE RIVER, LAKE MASSER 25.0N 34.0E 16.5N N 19910505 112256 141 244 18 CGYPT NUM PAN, GILF KEBIR PLAT. 23.0N 2.6E 16.5N N 19910505 112257 141 258 19 OMAN CCEAN STRUCTURE 19 OCCEAN STRUCTURE 20 NO N 19910505 113040 141 300 21 NO N 19910505 113040 141 300 22 NO N 19910505 113040 141 300 23 MADAGASCAR MAHAJAMBA BAY, NO.CST. 16.0S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	2	IRAQ	HRATES R, AGR	31.5N	3E.		2 . 9E			>	991050				65	
12 KUWAIT 13 KUWAIT 14 KUWAIT 15 KUWAIT 16 OIL FIRES,CITY, SMOKE 17 SMOKE 18 OIL FIRES,CITY, SMOKE 18 OIL FIRES,CITY, SMOKE 19 OIL FIRES,CITY, SMOKE 10 OIL FIRES,CITY, SMO	81	11	KUWAIT	FIRES, CITY,	29.5N	9		3.8E			>	991050					
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14 KUWAIT OIL FIRES, CITY, SMOKE 29.0N 48.0E 29.8N 45.1E 0 LO 250 0 Y 19910505 094800 143 190 15 KUWAIT OIL FIRES, BUBIYAN I, SMCE 29.8N 47.8E 29.0N 45.7E 0 LO 250 0 N 19910505 094814 143 193 16 SAUDI ARABIA MAZHUR IRRIG PROJECT 27.5N 43.6E 28.0N 46.6E 0 LO 250 0 N 19910505 094814 143 193 18 OMAN MAHRAT MTNS, COAST 16.9N 53.2E 18.3N 53.6E 10 LO 250 0 N 19910505 095133 142 232 19 OMAN SAMHAN MTNS, COAST 17.6N 55.2E 17.4N 54.2E 30 LO 250 0 N 19910505 095136 141 240 20 OMAN KUBIA MIRIA ISLANDS 17.4N 56.9E 17.0N 54.4E 0 LO 250 N 19910505 095156 141 240 21 OMAN KUBIA MIRIA ISLANDS 17.4N 56.9E 16.5N 54.8E 0 LO 250 N 19910505 095156 141 240 22 EGYPT NILE RIVER, LAKE NASSER 25.0N 32.6E 16.2N 33.4E 0 HO 250 N 19910505 112151 141 244 23 EGYPT NILE R.EASTERN DES, RED S 25.0N 32.6E 16.2N 33.4E 0 HO 250 N 19910505 112151 141 244 24 EGYPT NILE R.EASTERN DES, RED S 25.0N 32.6E 14.2N 33.4E 0 HO 250 N 19910505 112151 141 244 25 SUDAN CEAN ISLAND ILES GLORIEUSES 11.6S 34 9.7E 10 LO 250 N 19910505 113019 141 293 26 INDIAN OCEAN STRUCTURE 13.3S 49.7E 10 LO 250 N 19910505 113019 141 300 27 INDIAN OCEAN STRUCTURE 13.3S 49.7E 10 LO 250 N 19910505 113019 141 300 28 MADAGASCAR NAHAJAMBA BAY, NO.CST. 16.0S 46.0E 16.6S 51.8E 10 LO 250 N 19910505 113140 141 301	81	13	KUWAIT	FIRES, CITY,	29.0N			4.9E				991050				67	
15 KUWAIT 16 OIL FIRES, BUBIYAN I, SMKE 29.8N 47.8E 29.0N 45.7E 0 LO 250 O N 19910505 094814 143 193 17 OMAN 18 OMAN 19 OMAN 20 OMAN 21 OMAN 22 E 18.0N 46.6E 0 LO 250 O N 19910505 094834 143 196 20 OMAN 21 OMAN 22 E 18.3N 53.6E 10 LO 250 O N 19910505 095139 142 235 21 OMAN 22 E GYPT 23 E GYPT 24 E GYPT 25 OMAN 25 E 16.3N 55.2E 17.4N 54.2E 17.0N 54.4E 30 LO 250 O N 19910505 095136 141 242 25 E GYPT 26 OMAN 27 E 17.0N 55.2E 16.2N 32.6E 16.2S N N 19910505 095156 141 242 28 E GYPT 29 E GYPT 20 OMAN 20 E GYPT 20 OMAN 21 E GYPT 22 E GYPT 23 E GYPT 24 E GYPT 25 E GYPT 26 INDIAN OCEAN ISLAND 27 ILLES GLOREUSES 28 INDIAN OCEAN STRUCTURE 29 MADAGASCAR 29 MADAGASCAR 20 INDIAN OCEAN N 19910505 113040 141 300 29 MADAGASCAR 20 INDIAN OCEAN N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301 20 OLO 250 N N 19910505 113054 141 301	81	14	KUWAIT	FIRE				5.1E				991050				67	
16 SAUDI ARABIA MAZHUR IRRIG PROJECT 27.5N 43.5E 28.0N 46.6E 0 LO 250 N 19910505 094834 143 186 17 OMAN MADIS, ZUFAR BASIN 16.9N 53.2E 17.4N 53.2E 10.0 250 N 19910505 095119 142 232 18 OMAN SAMHAN MTNS, COAST 17.6N 55.2E 17.4N 54.2E 30 LO 250 N 19910505 095149 141 239 20 OMAN SAMHAN MTNS, COAST 17.1N 54.9E 17.0N 54.4E 30 LO 250 N 19910505 095156 141 242 20 OMAN KURIA MURIA ISLANDS 17.4N 55.2E 17.4N 54.4E 30 LO 250 N 19910505 095156 141 242 20 OMAN NILE RIVER, LAKE NASSER 25.0N 34.0E 15.0E 51.0E 50 N 19910505 <td>81</td> <td>15</td> <td>KUWAIT</td> <td>FIRE</td> <td>29</td> <td>.8E</td> <td></td> <td>5.7E</td> <td></td> <td></td> <td></td> <td>991050</td> <td></td> <td></td> <td></td> <td>68</td> <td></td>	81	15	KUWAIT	FIRE	29	.8E		5.7E				991050				68	
1 17 OMAN WADIS, ZUFAR BASIN 19.1N 53.1E 0 LO 250 O N 19910505 095119 142 232 1 18 OMAN MAHRAT MTNS, COAST 16.9N 53.2E 18.3N 53.6E 10 LO 250 O N 19910505 095133 142 235 1 20 OMAN SAMHAN MTNS, COAST 17.6N 55.2E 17.4N 54.2E 30 LO 250 O N 19910505 095149 141 239 1 20 OMAN KURIA MURIA ISLANDS 17.1N 54.9E 17.0N 54.4E 30 LO 250 O N 19910505 095156 141 240 1 21 OMAN KURIA MURIA ISLANDS 17.4N 55.9E 16.5N 54.4E 30 LO 250 O N 19910505 112151 141 24 1 22 EGYPT NILE R, EASTERN DES, RED S 25.0N 32.6E 16.2N 32.6E 5HO 250 O N 19910505 112228 141 24 1 24 EGYPT NW PAN, GILF KEBIR PLAT. 23.0N 26.0E 14.2N 33.4E 0 HO 250 O N 19910505 113225 141 25 1 25 SUDAN ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 O N 19910505 113019 141 300 1 26 INDIAN OCEAN ISLAND INDIAN OCEAN STRU	81	16		MAZHUR IRRIG PROJECT		. 5E		9.6E				991050				69	113
1 18 OMAN SAMHAN MTNS, COAST 16.9N 53.2E 18.3N 53.6E 10 LO 250 O N 19910505 095133 142 235 1 20 OMAN SAMHAN MTNS, COAST 17.6N 55.2E 17.4N 54.2E 30 LO 250 O N 19910505 095156 141 239 1 21 OMAN KURIA MURIA ISLANDS 17.4N 55.9E 16.5N 54.8E 0 LO 250 O N 19910505 095156 141 242 1 22 EGYPT NILE RIVER, LAKE NASSER 25.0N 32.5E 16.2N 32.1E 5 HO 250 O N 19910505 112151 141 244 1 23 EGYPT NW PAN, GILF KEBIR PLAT. 23.0N 26.0E 14.2N 33.4E 0 HO 250 O N 19910505 112205 141 255 1 25 SUDAN BLUE NILE, EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 O N 19910505 113205 141 255 1 25 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N N 19910505 113019 141 299 1 27 INDIAN OCEAN STRUCTURE NO.CEAN MAHAJAMBA BAY,NO.CST. 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	17	OMAN	FAR		=		3.1E				991050				72	113
1 9 OMAN SAMHAN MTNS, COAST 17.6N 55.2E 17.4N 54.2E 30 LO 250 N 19910505 095156 141 239 1 20 OMAN SAMHAN MTNS, COAST 17.1N 54.9E 17.0N 54.4E 30 LO 250 N 19910505 095156 141 240 1 21 OMAN KURIA MURIA ISLANDS 17.4N 55.9E 16.5N 54.6E 0 LO 250 N 19910505 095156 141 242 1 22 EGYPT NILE R.EASTERN DES, RED 25.0N 32.6E 5 HO 250 N 19910505 112151 141 242 1 24 EGYPT NULE R.EASTERN DES, RED 25.0N 34.0E 56.0 N 19910505 112151 141 240 1 25 SUDAN BLUE N 25.0 N 19910505 112157 141 250	81	18	OMAN	TNS,	16.9N	3.2E	3N	3.6E				991050		~		72	113
20 OMAN SAMHAN MTNS, COAST 17.1N 54.9E 17.0N 54.4E 30 LO 250 0 19910505 095206 141 240 1 21 OMAN KURIA MILE RIVER, LAKE NASSER 17.4N 55.9E 16.5N 32.1E 5 0 N 19910505 112151 141 242 1 23 EGYPT NILE RIVER, LAKE NASSER 25.0N 32.5E 16.2N 32.1E 5 HO 250 N 19910505 112151 141 244 2 EGYPT NULE RESTERN DES, RED S 25.0N 34.0E 5 HO 250 N 19910505 112228 141 252 1 25 SUDAN BLUE NILE, EL GEZIRA IRR. 14.5N 33.6E 12.1S 48.9E 0 LO 250 N 19910505 113019 141 299 1 27 INDIAN OCEAN STRUCTURE A9.2E 14.1S 50.1E 20 D <td< td=""><td>81</td><td>19</td><td>OMAN</td><td>TNS,</td><td>17.6N</td><td>5.2E</td><td>. 4N</td><td>4.2E</td><td></td><td>~</td><td></td><td>991050</td><td>60</td><td></td><td></td><td>72</td><td>113</td></td<>	81	19	OMAN	TNS,	17.6N	5.2E	. 4N	4.2E		~		991050	60			72	113
1 21 OMAN KURIA MURIA ISLANDS 17.4N 55.9E 16.5N 32.1E 5 HO 250 N 19910505 095206 141 242 1 22 EGYPT NILE RIVER, LAKE NASSER 25.0N 32.5E 16.2N 32.1E 5 HO 250 N 19910505 112151 141 244 1 24 EGYPT NW PAN, GILF KEBIR PLAT. 23.0N 26.0E 14.2N 33.4E 0 HO 250 O N 19910505 112205 141 247 1 25 SUDAN BLUE NILE, EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 O N 19910505 112267 141 258 1 26 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N 19910505 113019 141 300 1 28 MADAGASCAR NO.EAN STRUTURE NO.END, CAP D'AMBRE, AFLD 12.2S 49.2E 14.1S 50.1E 20 LO 250 N 19910505 113054 141 300	81	20	OMAN	TNS,	17.1N	. 9E		4.4E			Z	9910506				71	113
1 22 EGYPT NILE RIVER, LAKE NASSER 25.0N 32.5E 16.2N 32.1E 5 HO 250 N 19910505 112151 141 244 1 23 EGYPT NILE R.EASTERN DES,RED S 25.0N 34.0E 15.5N 32.6E 5 HO 250 O N 19910505 112205 141 247 1 24 EGYPT NW PAN, GILF KEBIR PLAT. 23.0N 26.0E 14.2N 33.4E 0 HO 250 O N 19910505 112228 141 252 1 25 SUDAN BLUE NILE,EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 O N 19910505 112257 141 258 1 26 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N 19910505 113019 141 299 1 27 INDIAN OCEAN STRUTURE NO.END,CAP D'AMBRE,AFLD 12.2S 49.2E 14.1S 50.1E 20 LO 250 N 19910505 113054 141 300 1 29 MADAGASCAR MAHAJAMBA BAY,NO.CST, 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	21	OMAN		17.4N			4.8E				991050				71	113
1 23 EGYPT NILE R, EASTERN DES, RED S 25.0N 34.0E 15.5N 32.6E 5 HO 250 O N 19910505 112205 141 247 1 24 EGYPT NW PAN, GILF KEBIR PLAT. 23.0N 26.0E 14.2N 33.4E 0 HO 250 O N 19910505 112228 141 252 1 25 SUDAN BLUE NILE, EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 O N 19910505 112257 141 258 1 26 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N N 19910505 113019 141 300 1 27 INDIAN OCEAN STRUCTURE 1 28 MADAGASCAR NO.END, CAP D'AMBRE, AFLD 12.2S 49.2E 14.1S 50.1E 20 LO 250 N N 19910505 113054 141 300 1 29 MADAGASCAR MAHAJAMBA BAY, NO.CST, 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	22	EGYPT		25.0N			2.1E				9910505				72	114
1 24 EGYPT NW PAN, GILF KEBIR PLAT. 23.0N 26.0E 14.2N 33.4E 0 HO 250 ON 19910505 112228 141 252 25 SUDAN BLUE NILE,EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 ON 19910505 112257 141 258 25 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N N 19910505 113019 141 299 OCEAN STRUCTURE 13.3S 49.7E 10 LO 250 N N 19910505 113040 141 300 IN 29 MADAGASCAR NO.END,CAP D'AMBRE,AFLD 12.2S 49.2E 14.1S 50.1E 20 LO 250 N N 19910505 113054 141 300 IN 29 MADAGASCAR MAHAJAMBA BAY,NO.CST. 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	23	EGYPT	NILE R'EASTERN DES, RED S				2.6E			z	9910505				71	114
1 25 SUDAN BLUE NILE, EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 O N 19910505 112257 141 258 1 26 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N N 19910505 113019 141 299 1 27 INDIAN OCEAN OCEAN STRUCTURE 13.3S 49.7E 10 LO 250 N N 19910505 113040 141 300 1 28 MADAGASCAR NO.END, CAP D'AMBRE, AFLD 12.2S 49.2E 14.1S 50.1E 20 LO 250 N N 19910505 113054 141 300 1 29 MADAGASCAR MAHAJAMBA BAY, NO.CST, 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	24	EGYPT	NW PAN, GILF KEBIR PLAT.				3.4E			z	991050				71	114
1 26 INDIAN OCEAN ISLAND ILES GLORIEUSES 11.6S 47.3E 12.1S 48.9E 0 LO 250 N N 19910505 113019 141 299 CEAN STRUCTURE 13.3S 49.7E 10 LO 250 N N 19910505 113040 141 300 N CEAN STRUCTURE 13.2S 49.7E 10 LO 250 N N 19910505 113040 141 300 N N 19910505 113054 141 300 N N 19910505 113140 141 300 N N 19910505 113140 141 301	81	52	SUDAN	LE, EL GEZIRA	14.5N	. SE		4.4E				9910505				70	114
1 27 INDIAN OCEAN OCEAN STRUCTURE 13.3S 49.7E 10 LO 250 N N 19910505 113040 141 300	81	56			11.65	. 3E		8.9E			2	9910505				48	114
1 28 MADAGASCAR NO.END,CAP D'AMBRE,AFLD 12.2S 49.2E 14.1S 50.1E 20 LO 250 N N 19910505 113054 141 300 1 29 MADAGASCAR MAHAJAMBA BAY,NO.CST. 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301	81	27	INDIAN OCEAN	OCEAN STRUCTURE			.35 4	9.7E			z	9910505				47	114
1 29 MADAGASCAR MAHAJAMBA BAY,NO.CST. 16.0S 46.0E 16.6S 51.8E 10 LO 250 N N 19910505 113140 141 301 4	81	28	MADAGASCAR	NO.END, CAP D'AMBRE, AFLD	12.25	. 2E	. 15	0.1E			Z .	9910505				46	114
	81	29	MADAGASCAR		16.0S	E	. 6S	1.8E		550	Z	9910505	- 1			44	114

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

٥	5	CEOCDADUTE SIAME		CENTER	ER	NADIR	2	F	ן נ	1140	۱,	1		SUN.	8
1		SECURATION NAME	1			ı			- 1	-	- 1		ı	1	1
8	⊋ ;	MADAGASCAK	ď	16.03	. 25.	ž.	51.9E		_	COCOLEGE N					
 81	31	MADAGASCAR	ш	17.58	49.5E 1	17.4S	52.3E			-			(7)		
81	32	USA-MT	MTNS, SNOW CAPPED, LOW SUN		4	46.4N 1	110.7W	070	250 N	N 19910505		122619	146		
81	33	USA-MT	-		4		109.1W	10 00	250 U	N 19910505		122641	146	63 -5	5 115
81	34	ZAIRE		0.8W	18.3E		18.0E		250 N	N 19910505		125549	~	285 63	3 115
81	35	ZAIRE	CONGO R. MBANDAKA.RNFST.	0.2N	35		18.1E								
81	36	ZAIRE	CONGO R. RAINFOREST	0.38	18.0E		18.4E			N 19910505		125602	140 2		
81	37	MAURITANIA	PENIN, COAST	20.8N	16.8W					z					
81	38	MAURITANIA	T. JEAN BAY. CST	19.7N	16.3W					· 2					
81	39	ANGOLA	FIRES, SMOKE, COAST	11.08	15.0E				250 U	>					
- 5	40	ANGOLA	ETDES SMOKE COAST	10 00	15 OF			35 10	25.0	>					
	41	NAMIBIA	RAY MAMTR DES CST	23.05	•				250 N	. 2					
8 8	•			56.2N	S	6.5N	77.4W			N 19910429		144306	145 1	132 4	0 20
83			SNOW, ICE	56.1N	3	N6.9	74.2W	07		. —				136 41	
83	~	CANADA-0	SNOW. ICE	51.6N		2	71.7W		250 N						1 20
83	ო	CANADA-0	CAU R. SNOW. ICE	56.3N			68.5W			7					
83	4	CANADA-0	SNOW. ICE	56.5N	3€		70.6W			N 19910429				_	
83	2	CANADA-0	IK L. NAIN BAY	56.6N			62.3W						-		
83	9	CANADA-0	Y KIKKERTAVAK I	56.3N	₩9.		61.6W	07 0							
83	7	CANADA-Q		55.2N	3W.		97.5W	07 0	250 N	N 19910429		144558		158 46	
83	œ	SPAIN	. L.FLD	36.5N		36.6N	8. 8. 9. 9.								
83	ō	SPAIN		36.4N		36.1N	5.2W	2 8		Y 19910429					
83	10	SPAIN		36.1N		35.9N	9.0₩			-					
83	11	SPAIN	STR./GIBRALTAR,CEUTA	36.1N		35.7N	4.8M	15 NV	250 N	-		145629	141 2	249 48	
83	12	MOROCCO	STR, CEUTA, TANGIERS	35.9N	5.5W 3	35.5N	4.6W		250 N	Y 19910429		145633	141 2		8 20
83	13	MOROCCO	STR, CEUTA, COAST	35.8N		35.0N	4.2W	0 0	250 N	Y 19910429		145642	141 2	251 48	
83	14	MOROCCO		35.9N		34.7N	3.9W	15 LO		-		145648	141 2	-	
83	15	SPAIN	A, GIBRALTAR, CSTS	36.0N		34.4N	3.64	15 10	250 N	Y 19910429		•	141 2	252 47	
83	16	MOROCCO		34.3N	ന	es.	3.0₩	№		199			141 2	-	7 20
83	17	ALGERIA	KAHAL TABELBALA,MTN FOLD	30.0N	2.5W 3	1.6N	M6.	0 0	250 N	N 19910429		145749	140 2	257 46	
83	18	ALGERIA	GUIR WADI, TABLELAND, DES.	31.0N		31.3N	. 7w	0 0	250 N	N 19910429		145755	140 2	257 4	46 20
83	19	ALGERIA		25.5N		29.1N	1.2E	0 00	250 N	N 19910429		145836	140 2	261 44	
83	20	ALGERIA	ERG CHECH, ERG IABES	24.5N	3.5W 2	28.6N	1.5E	07 0	250 №	N 19910429		145845	140 2	262 44	
83	21	ALGERIA	ELO	25.0N		5.8N	3.8E		250 N	N 19910429		145938		266 42	
83	22	ALGERIA	ES	23.0N		22.8N	6.0E		250 N			150035			
83	23	ALGERIA	WADI ABELESSA, VOLC. CONES	22.6N		21.9N	6.6E	0 0		N 19910429		150050		270 39	
83	24	NIGERIA	SW VIEW, LARGE STORM		-	3.8N		100 HO	250 N	Y 19910429		150318			
83	52	NIGERIA	SW VIEW, LARGE STORM		1			100 HO	250 N	Y 19910429		150334			2 20
83	92	CAMEROON	٩			8.8N	.0E	100 HO	250 N	-		_		281 29	
83	27	ZAIRE	UBANGI R, IBENGA R.	2.2N	18.1E	2.6N	18.6E	20 NV	250 N	N 19910429	-	50637	138 2		

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

						1								
F.	1	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT LON	-	ככ זר פו	ES	DATE	GMT	At.	5	ب التـ	<u>ه</u>
83	28	ZAIRE	UBANGI R, GIRI R.	ı	E 1.2N 19.4E	46	20 LO 250	z	19910429	150702 1	138	۵		20
83	29	ZAIRE	UBANGI R-JOINS-CONGO R.	0.4S 17.8E	E .2N 20.0E	0	20 LO 250	z	19910429	150721 1	138	S		0
83	30	ZAIRE	KASAI R/BASIN, DEFOREST.		1.25	20.8E	2	z	19910429	150745 1	138	S		0
83	31	ZAIRE	KASAI R, LOANGE R.		2.98	8E	40 LO 250	z	19910429	150816 1	138	286 1		0
83	32	ZAIRE	SANKURU R, LUBEFU R, DEFOR		3.98	3€	2	z	19910429	150834 1	138			0
83	33	ZAIRE	FIRES, DEFORESTATION, HAZE		4.58	7E	30 LO 250	Z	19910429	150844 1	138	286 1		0
83	34	ZAIRE		4.5S 22.5E	5.0S	90.	2	N 0	19910429	150854 1	138			20
83	35	ZAIRE	SMOKE, HAZE		.75 24	. 0E	2	z	19910429					0
83	36	ZAIRE	FIRES, SMOKE, HAZE		24	. 3E	10 LO 250	≻ N 0	19910429	150933 1	138	287 1	15	0
83	37	ZAIRE	SMOKE,		.75 24	. 5E	20 LO 250	_	19910429	150941	138	287 1	*	0.
	6	i (•		-	:	0,00			,	•	- 9
83	38	ZAIRE	SMOKE,		~	4.8F	3	Z	19910429			/87	4	0.7
83	39	ZAIRE			8.85	. 2E	~	Z	19910429					20
83	40	ZAMBIA	LAKE MWERU, HAZY		10.65 26	. 3	2	z	19910429				15	0
83	41	ZAMBIA	LAKE MWERU, SO. END, HAZY		10.85	. 4E	2	2	19910429	151037 1	138	287 1		0
83	42	ZAMBIA	L, MWERU, SO. END, LUAPULA R	9.7S 28.6E	11.35	. 7E	2		19910429	151046 1	138	287 1		20
83	43	ZAMBIA	L, MWERU, SO. END, LUAPULA R	9.6S 28.7E	11.65	9E	15 LO 250	z	19910429	151051 1	138	287 1	11	0
83	44	ZAMBIA		10.2S 28.6E	11.95	9.	10 LO 250	z	19910429	151056 1	138	287 1		0
83	45	ZAMBIA	LGE AFLD, MTN RIDGES, DARK		14.25 28.	. 5E	10 LO 250	>	19910429	151139 1	138	287	 œ	0
83	46	ZAMBIA	LAKE BANGEULU, SWAMP	10.5S 30.5E	15.0S 29	. 0E	2	z	19910429	151153 1		287		0
83	47	ZAMBIA	L. TANGANYIKA, SWAMP	10.0S 30.5E	15.75	5E	2	⊃	19910429	151206 1	138	287		0.
83	48	CANADA-BC	MURTLE L'N.THOMPSON R.	52.1N 119.3W		₩9	10 NV 25	50 N Y	19910429	160936 1				
83	49	CANADA-BC	NORTH THOMPSON R, ROCKIES	52.1N 119.3W		7.	5 NV 250	Z	19910429	160945 1	145	109		-:
83	90	CANADA-BC	COLUMBIA R, ROCKY MIN TR	52.0N 118.2W		38	40 LO 250	2	19910429	161000 1	145	110		-
83	51	CANADA-A	NO.SASKATCHEWAN R, AGR.	53.5N 114.2W		7		_	19910429	161017 1	145	112 3	33	-
83	52	CANADA-A	AGR, CLOUDY		54.0N 113.7W	₩.			19910429	161037 1	145	115		21
83	53	CANADA-M	L.WINNIPEG, ICE	51.0N 96.5W		æ	60 LO 250	Z	19910429	161215 1	145	127		
83	54	CANADA-NT	JAMES BAY, SO. END, MOOSE R		മ	7	15 LO 250	z	19910429	161538 1			46	-
83	55	CANADA-Q	MANICOUAGAN RES, SNOW/ICE	51.3N	55.9N 69	.1₩	20 LO 250	2	19910429	161711 1	145	173 4	48	-
83	99	CANADA-Q	NCE	49.0N	55.7N 68	™ .	25	z	19910429	0	145	Z.		-
83	23	CANADA-Q	MANICOUAGAN RES, SNOW/ICE	51.3N 68.6W	55.4N 66	. 18	L0 25	z	19910429	161738 1	145	178 4	49	
83	58	CANADA-0	MANICOUAGAN RES, SNOW/ICE	51.4N 68.6W	W 55.0N 64.6W	™	20 LO 250	Z	19910429	161752 1	145	180 4	49	21
83	59	CANADA-Q	ST.LAWRENCE SEAWAY, SN/IC	47.7N 69.6W	W 54.6N 62.7W	7	25 HO 250	z	19910429	161811 1	145	183 5	20	21
83	9	CANARY ISLANDS	TENERIFE, GOMERA, CLOUDY	28.2N 16.6W	25.8N 19.	3	50 LO 250	N N	19910429	162914 1	139			21
83	61	CANARY ISLANDS	TENERIFE, GOMERA, CLOUDY	28.3N 16.6W	W 25.2N 18.	MG	2	z	19910429	162925 1				-
83	62	CANARY ISLANDS	TENERIFE, GOMERA, CLOUDY	Z.	24.5N	30	2	z	19910429					_
83	63	WESTERN SAHARA	ૅડ		20.6N	7. 7. 7.		000	19910429				39	-
83	64	MAURITANIA	S	1 <u>8</u>	18.7N	3	2	0	19910429					_
83	65	MAURITANIA	S	21.1N 11.3W	18.1N 1	₹	2	Y 0 0	19910429				37	21
83	99	MAURITANIA	RICHAT STRUCTURE, DESERT	21.1N 11.3W	17.7N 13	3.3W	0 LO 250	0	19910429	163142 1		4		
83	67	ATMOSPHERIC LIMB	MOON RISE		40.5N 173.	.5E 1	100 HO 25	N 0	19910429	190356 1		2		<u></u>
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTE	ĺ	9						5	ٳ	Γ
R	FR	GEOGRAPHIC NAME	FEATURE	LAT	LON LAT LON	LON	CC TL	FL E S	DATE	GMT	AL	AZ ZWEL		N.
83	68	USA-AK	ALASKA PEN, SANAK IS.		163.3W 54.3N 1	158.2W	30 LO 2	250 N Y	19910429	190957	145	115	1	23
83	69	USA-AK	ALASKA PEN, SANAK IS.	54.6N 16	163.3W 54.5N 1	157.1W	40 LO 2	250 N Y	19910429	191008	145	116		23
83	70	USA-AK	LANDS	8	54.8N	155.9W	2	z	19910429	191019	145	117		23
83	71	USA-AK	SHUMAGIN ISLANDS	55.0N 16		154.9W	2	250 N Y	19910429	191029	145	119	35	23
83	72	CANADA-BC	VANCOUVER I.ISLAND COAST	N.	57.2N	137.1W	15 HO 2	250 O N	19910429	191307	145	141	42	23
83	73	CANADA-BC	COAST MTNS, COAST		57.3N	135.5W	오	Z	19910429	191320	145	143		23
83	74	CANADA-BC	VANCOUVER I, COAST	S	57.3N	134.3W	오	Z	19910429	191330	145	144	43	23
83	75	CANADA-BC	. ≥	NO	57.3N	131.4W	2	Z	19910429	191355	145	148	4	23
83	9/	CANADA-BC		5.0N	57.2N	128.5W	2	z	19910429	191419	145	152	45	23
83	11	CANADA-BC		0.0N	.0W 57.2N	126.4W	2	250 N N	19910429	191437	145	155	45	23
ç	6	00 404140		į			-	2	001001		,		9	
2 6	0 6	CANADA-BL	K, QUESNEL	Z :	NI /C MC	•	3 9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	19910429	٠,	140	/61	֓֞֜֜֜֜֜֓֓֓֓֓֜֜֜֜֓֓֓֓֓֜֜֜֜֓֓֓֓֓֓֓֜֜֜֜֓֓֓֓֓֡֓֜֜֜֡֓֓֡֓֜֜֜֡֓֡֓֡֓	3:
3 6	P (CANADA-A	AVE LAKE,	2	. 5W 50.4N	٠	3 :	2 :	19910429		145	10/		3 :
£ 5	80	CANADA-A	ATHABASCA R/TOWN, AGR.		OW 56.0N	115.4W	2	2	19910429		145	1/1		23
83	81	CANADA-A	EDMONTON, N. SASKATCH. R.		.5W 55.8N	•	2	Z	19910429	_	145	173		 53
83	82	CANADA-A	LAC LA BICHE, AGR.	N.	.5W 55.4N	•	2	250 N N	19910429	_	145	176		
83	83	CANADA-M	L.WINNEPEG-SO.END, ICE	50.5N 9	97.0W 51.6N	98.1W	40 LO 2	250 N N	19910429	191905	144	199		 53
83	84	CANADA-M	L.WINNEPEG-SO.END, ICE	Š	17.0W 51.0N	M9.96	15 NV 2	250 N N	19910429	191923	144	201	52	23
83	85	USA-MD	DELMAR PEN, CHESAPEAKE BY	S O	76.0W 38.5N	76.1W	60 NV 2	250 N N	19910429	192417	141	242	20	23
83	86	USA-MD	CHESAPEAKE.	. 6N	75.8W 38.0N	75.6W		250 N N	19910429		141	243	20	23
83	8.7	USA-MO	DEN CHESAPFAKE	V NO	0W 37	75.2W	9	2	19910429	-	141	244		
3	;		י בופי כוובטחו בחתר			-	3	2	1	1	:	, ,		
83	88	USA-VA	NE COAST, (HALF PICTURE)	36.9N 7	76.2W 37.4N	74.9W	0 10 2	250 N N	19910429	192438	141	244	20	23
83	89	USA-NC	~	36.0N 7	76.0W 36.6N	74.0W	2	250 N N	19910429	192456	141	246	49	23
83	90	USA-NC	OUTER BANKS.C. HATTERAS	_	75.8W 36.3N	73.7W	15 LO 2	250 N N	19910429	192501	141	247	49	23
83	91	USA-NC	CURRENT BOUND, C. HATTERAS	0 N J	75.5W 35.9N	73.3W	2	250 N N	19910429	192510	141	248	49	23
83	35	USA-NC	CURRENT BOUND, C. HATTERAS	4.9N 7	35.	•	2	z	19910429	192513	141	248	49	23
83	93	USA-NC		. NO.	₩Ç.	73.0W	2	z	,9910429	192516	141	248	49	23
83	94	ATLANTIC OCEAN	EDDIES-GULF STREAM		35.3N	72.7W	40 LO 2	250 N N	19910429	192521	141	249	49	23
83	95	ATLANTIC OCEAN	GULF STREAM BOUNDARY		35.1N	72.5W	35 LO 2	250 N N	19910429	192526	141	249	49	23
83	96	PUERTO RICO	EAST AREA, VIRGIN ISL.		66.0W 19.0N	29.6W	2	250 N N	19910429	193029	139	273	38	23
83	91	CUBA	EAST END, PUERTO RICO	19.0N 6	69.0W 18.4N	98.3W	20 HO 2	250 N N	19910429	193039	138	274	38	23
83	86	LESSER ANTILLES	BARBUDA, ST. CHRISTOPHER	17.5N 6	62.5W 17.7N	58.8W	15 LO 2	250 N N	19910429	193053	138	274	37	ຄ
2	00		CHADELOHDE	7.		α	-	250 M M	10010420		1 2 0	275	"	-
2 %	100	-	CANAL DO NORTE-AMAZON P	2 2		48 4W	3 5	: 2	19910429		137	285		3 6
3 6		2000			,		3 9	: 2	001010		3 6	2 6		
ລິດ	101	BRAZIL	KIO SAU FRANCISCU		71	*0.14 *0.0*	3 :	2 :	19910429		138	187		3 :
8	102	BKAZIL	KIO SAU FRANCISCO	3.75	.5W 13.25	40.4	3	N N OCZ	19910429		138	/87		ر د
83	103	CANADA-BC	% 8¥	ĕ	4.0W 53.7N	127.5W	2	Z	19910429		144	187		
83		CANADA-BC	FRANCOIS L, FRASER L.	54.0N 12	5.0W 53.5N	126.8W	40 LO 2	2	19910429	-	144	188	0	24
84		V	PORTHOLE-BLURA		56.1N	•		<u> </u>	19910501	155739	143	104	თ	
8 7 4 7	- (CANADA-S	Υ.	6.5N	.5W 56.5N		0	S	19910501	155804	143	106		53
84	7	CANADA - S	LAC LA LOCHEZIOWN, ICE	56.5N 109	NG 26 WU.	MC./01	20 00	N OC	19910501	155813	143	à	2	53

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

											1	١	ſ
占	æ	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT	CC 7L	FLES	DATE	GMT	٩٢	AZ SUN	<u>ب</u>	OR OR
84	m	CANADA-S	LAKES-CLOUDY, ICE	56.5N 108.5W	56.7N 106.9W	85 LO	250 N N	19910501	155818	143	108	30 5	^ا
84	4	CANADA-S	GROW L, LAKES, SNOW/ICE	104.5W	56.9N 104.5W	20 NV	250 N Y	19910501	155839	143	110		53
84	2	CANADA-S		.5N 104.5W	57.0N 103.3W	≩		19910501	155849	143	111		က
84	9	CANADA-S		104.0W	57.1N 101.9W	35 LO	250 N Y	19910501	155901	143	113		53
84	7	CANADA-Q	G.ST.LAWR-CST ICE/FLOWS	58.7W	51.4N 59.9W	. VN 0	250 N Y	19910501	160526	142	168	50 €	
84	æ	CANADA-Q	G.ST.LAWR-CST ICE/FLOWS	58.6W	51.1N 59.2W	≩	250 N Y	19910501	160534	142	169		က္
84	6	CANADA-Q	G.ST.LAWR-CST ICE/FLOWS	₩9.85	50.9N 58.6W	Ž	250 N Y	19910501	160541	142	170	51	53
84	10		CARGO BAY-CIRRIS IA		48.8N 53.9W		250 N N	19910501	160638	142	179		53
84	11	ATLANTIC OCEAN	TWO LAYER CLOUDS-LOW/MED			100 LO	250 N N	19910501	161439	138	249		65
84	12	ATLANTIC OCEAN	TWO LAYER CLOUDS-LOW/MED		25.4N 26.4W	100 LO	250 N N	19910501	161446	138	250	9 99	53
8	13	ATLANTIC OCEAN	TWO LAYER CLOUDS-LOW/MED		M 26 2M	0	250 N	19910501	161452	138	251	ν.	5.3
84	14		AYER		1N 25	3 5	: 2		161510	137			
8	15		AYFR			2 -	: 2		161515	137			5.3
8	16		LAYER			2	: 2		161521	137		4	. ~
84	11		ORANGO-ORANGOZINHO I.	11.0N 16.0W		} ≥	z		161917	136			53
84	18	GUINEA BISSAU	ORANGO-ORANGOZINHO I.	16.0W	16	2	Z		161925	136			53
84	19	ATLANTIC OCEAN	OCEAN STRUCTURE		16	2	z		161932	136			53
84	20		HALF PORTHOLE-BLURRED		111			19910501	173019	142			54
84	21	CANADA-S	_;	.5N 104.5W	56.5N 103.5W	15 NV	250 N Y	19910501	173130	142			54
84	22	CANADA-S	GROW L, DECEPTION L, ICE	56.4N 104.3W	56.4N 103.1W	25 NV	250 N Y	19910501	173134	142	136	41.	54
84	23	CANADA-S	GROW L. DECEPTION L. ICE	56.5N 104.4W	56.3N 102.4W	25 LO	250 N Y	19910501	173140	142	137	41	54
84	24	CANADA-0	Œ.	.3N 72.5W	72	≥	250 N Y		173702	141			54
84	25	CANADA-0	L.ST.PETER.ST.LAWR.R.	72.5W		2	z		173707	140			54
84	97	CANADA-Q	L. ST. PETER, ST. LAWR. R.	.2N 72.5W		2	Z		173714	140			4
8	27	ATLANTIC OCEAN	WATER-CLOUDS			2	250 N Y		173908	139			54
84	28		WATER-CLOUDS			2	0	19910501	173914	139			54
84	29	ATLANTIC OCEAN	WATER-CLOUDS	•	40.5N 63.4W	80 LO	250 O Y	19910501	173920	139	207	57 6	54
84			CARGO BAY-DARK, BLURRED			•	250 F N						
84		8 CLOUDS	LOW CLOUDS/SMOKE, UPP.CLD			100 LO	250 N N						
4	59 (CLOUDS	LOW CLDS/SMKE, UPPER CLDS			100 FO	250 N N						
84	29 [D CLOUDS	LOW CLDS/SMKE, UPPER CLDS			100 00	250 N A						
84	29	E CLOUDS	LOW CLDS/SMKE, UPPER CLDS			2	250 N N						
84			RIVER, SMOKE, CLOUDS			2							
84		G LAND	CLOUDS.			9							
84			SMOKE.			2							
8	29	J LAND	C			2							
84			_			2							
84	29 L	. LAND	_			2							
84	29 N		ফ্			85 LO 2	250 N N						
84	_	N TANZANIA	LAKE VICTORIA-SW COAST	1.7S 31.9E		2	250 N N						

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTED	MANTO						7110	
R	æ	GEOGRAPHIC NAME	FEATURE	LAT	LAT	CC TL FL	E S D	DATE (GMT AL	Ä	, SONE	OR
84	29 P	TANZANIA	L.VICTORIA-KOME I,S.CST	2.4S 32.4E		60 LO 250	Z					
84	29 0	TANZANIA		.75		80 LO 250	z					
8	29 R		AGRICULTURE, CLOUDS			70 LO 250	z					
84		•				2	> 2					
84	29 T		AGR, CLOUDY			85 LO 250	≻					
84	29 U	TANZANIA	AGR, CLOUDY			2	z					
84	29 V	TANZANIA	MBARIKA MTNS.	9.0S 36.5E		50 LO 250	> 2					
84	M 67		LUWEGU R.MBARIKA MTNS.	9.5S 36.6E		50 LO 250	> 2					
84		•					≻					
84	29 ∀		œ			2	≻					
							:					
84	7 67					2	> : 2 :					
8	29AA		R/BASIN			2	> 2					
8	29AB		MUHUWESI R/BASIN, AGR.			2	> 2					
84	29AC	_	RIO ROVUMA, AGR.				> 2					
84	29AD		RIO CHIULEZI, AGR.	11.8S 38.0E		2	>					
84	29AE		CRATER, MTNS, SNOW/ICE			2	_ Z					
84	29AF	NORTH	COAST			2	Z					
84	29AG	NORTH KOREA	COAST	42.2N 130.2E			z					
84	29AH	_	COAST	42.2N 130.5E		2	z					
84	29AJ	SEA OF OKHOTSK	SEA ICE/FLOWS, SUNGLINT			0 LO 250	2 2					
84	29AK	SEA OF OKHOTSK	SEA ICE/FLOWS			0 10 250	≻					
84	29AL	SEA OF OKHOTSK	SEA ICE/FLOWS			0 LO 250	> 2					
84	29AM	SEA OF	ICE/			2	Z					
84	29AN	JAPAN	HOKKAIDO-NE CST. TESHIO R	44.5N 143.0E		0	Z					
84	29AP					2	_					
84	29A0					2	Z					
84	29AR		CURRENT BOUNDARY, SNGLT			2	_					
84	29AS		WATER-CLOUDS-BRIGHT			0.1	0					
84	29AT	PACIFIC OCEAN	CLOUDS-SUNGLINT			90 hO 250						
84	29AU	JAPAN	HONSHU-TOKYO/HARBOR, CST	35.7N 140.1E		50 LO 250						
84	29AV	JAPAN	HONSHII-TOKYO/HARBOR	35.8N 139.6F		40 10 250	>					
84	29AW		HOMSHIJ-TOKYOZHABBOB, CST			9	· >-					
84	30		CITY, CLOUDS		32.4N 119.8E	07 06		19910503 05	052918 1	138 189	9 59	78
8	7	ANTHO	INHENE T COACT	20 GN 122 1F	2	0-02	2					8
84	3.5	CAROLINE ISLANDS	- 3			25 10	: z					2 %
4	33	CAROLINE TSI ANDS	RAREI THIIAD TAREE			15 10	2					78
8	3 6		CTORM-DEGTE CONV CELL				: z					α
8 4	3 6	BRITAIN	TOLE OF MIGHT HAZY	50 7N 1 AW	50.5N	30 5	: z					9 0
8.4	9 6	FRANCE	REACHES CLOUDS/3/4 FR)		52.3N	75 10	: z					2 6
8 4	37	CHINA	MTNS	•	31.3N 9	00 F0	: z			_	ည	79
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				41110	4.40							15		
R	Œ	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT LON	္ပ	7	LES	DATE	GMT	AL	AZ EL	ᇤ	OR.
84	38	CHINA	SHALULI MTNS		68		LO 25	250 N N	19910503	065927		193	90	13
84	38	CHINA	FAULT-RED R.FAULT ZONE	23.4N 104.3E	23.6N 104.1E		NV 25	250 N N	19910503	070159		213	63	79
84	40	VIETNAM	COAST	19.1N 105.7E			2	250 N N	19910503	070257	136	228	63	79
84	41	VIETNAM	DA NANG, PENIN, ARFLDS	8 0.	16.		⋛	250 N N	19910503	070333		234	63	19
84	42	VIETNAM	SE CST PANORAMA	20.5N 108.5E	15.9N 109.4E		2	250 N N	19910503	070351	136	237	63	19
84	43	SOUTH CHINA SEA	SHIP WAKES		112		2	250 N N	19910503	070523	•	251	29	19
84	4	SOUTH CHINA SEA	OCEAN STRUCTURE		10.2N 112.9E		2	250 N N	19910503	070533		252	61	79
84	45	VIETNAM	CST, TRE I, HON I, CHONG PT	12.1N 109.2E	9.5N 113		2	z	19910503	070545		254	61	19
84	46	INDONESIA	FLORES, PALU I, PERI VOLC.	8.8S 121.7E	6.2S 122.4E	E 15		250 N Y	19910503	071025		281	20	79
8	47	INDONESIA	FLORES, PALU I, PERI VOLC.	. 6 S	6.95 122	E 15	LO 25	250 N Y	19910503	071037		282	20	79
89	4	INDONESIA	FLORES/STRAIT, SOLOR I.	8.5S 122.8E	7.75 123	2	2	z	19910503	071052		283	49	79
84	49	AUSTRALIA-SA	NORTH FLINDERS RANGES	31.0S 138.5E			2	z	19910503	071647	137	295	30	79
8	20	BLACK SEA	EDDIES			E 0	2	z	19910503	095405		153	49	81
84	51	TURKEY	TRABZON, CST, EDDIES, SGLT	41.3N 40.0E			2		19910503	095417		154	49	81
84	25	USSR-EUROPEAN	BATUMI, CORUH RZEFFLUENT		41.5N 41		≩	250 N N	19910503	095434		157	20	81
84	53	TURKEY	VAN LAKE, WEST END	38.6N 42.6E	39.6N 44.1E		0	z	19910503	095513	139	162	25	81
85	0	A BRITAIN	NO. END SCOTLAND, ORKNEY I	60.0N 4.0W		25	全	40 N Y						
82	0	B BRITAIN	NO. END SCOTLAND, ORKNEY I	60.0N 4.0W		20	오	40 N Y						
85			L. TENGIZ, STEPPES	.0N 71.		2		40 N N						
82	3	D USSR-MIDDLE	L.BALKASH, STEPPES	46.5N 76.5E		10	오	40 N ≺						
85	0	E USSR-MIDDLE	L.BALKASH, STEPPES	47.0N 76.0E		က	£	40 N Y						
85	0		ILI R.L.BALKASH-E.END			20	유	z						
85			TIBET PLATENAM L. T.C. 28			70	2	2						
82			TROP.CYCL. 028-NO.BANGL.			95	오	40 N						
85		J CHINA	TROP.CYCL.028-NO.BANGL.			95	오	z						
82	0		TROP.CYCL.02B, DARK			06	유	>						
82	0	L USA-WI	MS R, WI R, SNOW/ICE	45.0N 89.0W	40.4N	30	오		19910430	125837	142	81	12	35
82	-	CANADA-0	USA-MI, L. ST. CLAIR, REFLEC		42.1N 97	¥ 40	HO 25	0	19910430	125917		82	14	35
82	7	CANADA-0		NO.	42.9N			0	19910430	125935		83	15	35
82	ო	CANADA-O	USA-MI, L. ST. CLAIR, SNOW	43.0N 81.5W	43.7N 95.1W	20	H0 25	250 O N	19910430	125954	142	84	16	35
85	4	USA-MI	NE AREA, L. HURON, SNOW	45.0N 83.5W	43.9N 94.8W	20	HO 25	250 0 N	19910430	125958	142	84	16	35
82	က	CANADA-0	USA-MI, L. ST. CLAIR, SNOW	43.0N 82.0W	44.5N 93.9W	20	HO 25	250 O N	19910430	130011		85	11	35
85	9	USA-MI	NE AREA, L. HURON, SNOW		44.7N 93		HO 25	0	19910430	130017		86	17	35
85	1	USA-MI	NE AREA, L. HURON, SNOW	45.5N 83.0W	45.7N 92.0W	20	H0 25	250 O N	19910430	130039		87	18	35
82	80	CANADA-C	NO.CHAN.AREA,S.STE.MARIE	46.0N 84.0W	45.9N				19910430	130044		37	18	35
82	6	CANADA-0	USA-MI, L. HUR, L. ST. CLAIR	43.0N 82.0W	46.7N			0	19910430	130102		88	19	35
82	10	CANADA-0	NO.CHAN.AREA, L.HURON, SNW						19910430	130118		90	20	35
82	11	USA-OR	, CONTRAI	-	41.2N 121.			Z	19910430	142832		81	12	36
82	15	USA-WA	PALOUSE ARE	.5N 117	43.7N 117.			_	19910430	142926		84	15	36
82	13	USA-MT	L.ELWELL, MARIAS R, AGR.	48.5N 111.3W	46.8N 112.9W	10	L0 25	250 N N	19910430	143038	143	88	19	36
													l	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				1		4											l
RL	F.	GEOGRAPHIC NAME	FEATURE	LAT LON		LAT LON	_	CC 1L	F.	ы	S DATE	ш	GMT	AL	AZ SUN	ᇳ	OR R
85	14	CANADA-A	S. SASKATCHEWAN R. SNOW, AG	50.5N 1	110.0W 4	47.9N 110.9W	_	20 10	250	2	1 19910430	-	43105	143	06	2.1	36
82	15	CANADA-NS	MINAS CHAN/BASIN, AGR.	45.2N		44.7N 65.	MG.	0 0		z	19910430		174526	142	212	54	38
82	16	CNADA-NS	MINAS CHAN/BASIN, AGR.	64.2N	64.4W 4	64.	№			Z	19910430		174540	142	215	55	38
82	11	ATLANTIC OCEAN	SHIP WAKES			62.	M 6	5 LO		z	19910430		192344	137	271	44	39
82	18	PUERTO RICO	E.END, VIEQUES I, CLDS	18.1N	65.3W 1	17.5N 62.	™ 9	30 LO		z	1 19910430	•	192352	137	271	44	39
82	19	VIRGIN ISLANDS	SAINT CROIX	17.7N	64.7W 1	62.	3₹			z	19910430		192359	137	272	44	39
85	20	LESSER ANTILLES	SAINT CHRISTOPHER, NEVIS	17.3N	62.7W 1	16.1N 61.7W		20 10		z	1 19910430		192417	137	273	43	39
82	21	LESSER ANTILLES	GUADELOUPE	16.2N	61.0W 1	15.4N 61.	7.€			Z	1 19910430		192430	137	274	42	39
82	22	LESSER ANTILLES	MARIE GALANTE I.	15.9N	61.2W 1	60.	3€	20 LO	250	Z	19910430	• •	192442	137	274	42	39
85	23	VENEZUELA	ORINOCO DELTA-BOCA GRAND	8.7N	. MZ . 09	7.7N 56.	M9	40 LO		Z	19910430		192648	137	281	36	39
85	24	VENEZUELA	ORINOCO DELTA-BOCA GRAND	9.0N	60.8W	7.1N 56.	2W			z	, 19910430		192659	137	281	36	39
85	25	BRAZIL	STORM-PROTR, CONV, CELLS			.5S 51.8W		85 LO	250	z	19910430		192914	136	286	29	39
82	92	USA-CO		39.6N 1	104.9W 4(40.6N 105.2W	2.M	5 10		Z	19910430		204602	141	224	55	40
82	27	USA-CO		N.		39.6N 104.1W	1 1			2	19910430		204622	141	227	55	40
82	28	USA-CO	DENVER, SNOW	7N 1	3	39.2N 103.6W	_	15 LO	250	×			204630	140	228	55	40
82	53	USA-OK			3€			5 LO		Z	-		204752	140	239	54	40
82	30	USA-OK	CITY, CANADIAN	NS	₩9.	86				Z	_	-	204801	140	240	54	4 0
82	31	USA-TX	<u>-</u>		3₩	33.6N 97.				Z	-		204824	140	243	54	40
82	32	USA-TX	ARLINGTON, LOVE FIELD	8. 8.	36.	97.	₹	≥0	25(> Z	199		204829	139	243	53	4
82	33	USA-TX	NO.DALLAS, RESERVOIRS	NO.	96.7W 3	96.	™	2		Z	199104	430	204842	139	245	53	40
85	34	USA-TX	SE.DALLAS. TERRELL	32. 7N	96.4W 3	32.2N 96.	3	10 NV		2	19910436		204851	139	246	53	40
85	35	USA-TX		30.0N	₹.	2N 95.	A.C	20 LO	250	> 2	19910430		204910	139	248	53	40
85	36	USA-1X	HOUSTON, CLEAR LAKE	29.7N	6.4W	95.	38			z	-	-	204914	139	248	53	40
85	37	USA-TX	.0	29.6N	5.1W	94	36			z	-		204932	139	250	52	40
85	38	USA-TX	SE.HOUSTON, CLEAR LAKE		₹.	94.	¥			N	19910430		204936	139	251	52	40
85	39	USA-1X	GALVESTON BAY, CLEAR LAKE	29.5N	3.	94.	2W			z	19910430		204940	139	251	25	40
85	40	USA-TX	HOUSTON, CLEAR LAKE	29.5N		93.		15 LO		z	19910430		204951	139	252	25	40
85	41	USSR-EUROPEAN	KRASNOVDSKIY PEN, CASP.S.	40.5N		59.	96	0 0		0	19910501	_	022523	142	79	11	44
85	42	USSR-EUROPEAN	KARA-BOGAZ-GOL, (NO.HALF)	41.5N	5E	.3N 59.	9E		25	N 0	19910501		022533	142	80	11	44
85	43	USSR-EUROPEAN	L.SARYKAMYSHSKOYE	45.0N	57.4E 4	44.0N 60.	. 7E	0 0		0	199105	10501 03	022550	142	81	12	44
85	44	USSR-MIDDLE	DESERT, SALT PANS		4	48.6N 68.7E	7E			z	19910501		022741	143	87	18	4
82	45	USSR-EUROPEAN	L. TENGIZ, DESERT	50.4N	69.2E 5	50.1N 71.9E	36	0 0		Z	19910501		022821	143	90	20	44
82	46	MARSHALL ISLANDS	WOTHO ATOLL		166.0E 1	11.1N 165.0E			250	z	19910501		042259	137	277	42	45
85	47	MARSHALL ISLANDS	UJAE ATOLL		165.8E 10	10.5N 165.4E		60 LO		Z	19910501	_	042309	137	277	42	45
82	48		KWAJALEIN ATOLL-CENTER	9.2N 1		Z		70 10	250	z	19910501		042324	137	278	41	45
85	49				. 2E	166				2	-		042330	137	278	41	45
82	20	_	AILINGLAPALAP ATOLL		. 9E	166		50 LO	250	z	_		042342	137	279	40	45
82	51	MARSHALL ISLANDS	EBON ATOLL	4.6N	. 7E	168				z	199		042430	136	281	38	45
85	52	PAKISTAN	CAPE NUH, C. JIWANI, CST.	25.0N	62.0E 2	25.9N 64.	. 2E	9 2	250	0	19910501		101636	138	253	54	649
60	23	FAKISLAN	LAGOON, CENI. MAKKAN KA.	NS . C2	2	10 NO.	, L	2	ĭ		19910:		2010	2	427	2	£

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

	}			CENTER		NADIR						SUN	 -:	
æ	ڇ	GEOGRAPHIC NAME		LA1	_	- 1	- 1	w		CMT	AL	AZ	ᆲ	š
82	24	HUNGARY	_	46.7N				z		113853	141	190	54	20
85	25	ROMANIA	DANUBE R, AGR.	44.0N	23.0E 43.9N	N 22.9E	10 NV	z	V 19910501	114006	141	201	26	20
82	99	BULGARIA	DANUBE R, AGR.	43.7N			10 NV		N 19910501	114015	141	203	26	20
82	23	SAUDI ARABIA	RESIDUAL LAVA RIDGE	27.4N	40.0E 26.8N		№	250 N	N 19910501	114549	138	250	55	20
82	58	SAUDI ARABIA	TUWAYO IRRIG. PROJECT	19.9N			0 0		N 19910501	114804	137	264	51	20
85	93	SAUDI ARABIA	ZAYZA		17.5N			z	-	114841	137	267	49	20
82	60	YEMEN (ADEN)	WADI SARR, WADI AMD	16.0N	. 4E		№		3 19910501	114902	137	268	49	20
82	61	YEMEN (ADEN)	SAND DUNES, COAST	14.0N	47.8E 14.6N	N 49.2E	25 LO	250 N	19910501	114933	137	271	47	20
85	62	YEMEN (ADEN)	SAND DUNES, COAST	14.1N		N 49.3E		-	Y 19910501	114938	136	271	47	50
85	63	YEMEN (ADEN)	WADI HUWAYRAH,CST,AFLD	14.5N	49.5E 13.5N	N 49.8E	00 FO	250 N	N 19910501	114952	136	272	47	20
85	64	SOCOTRA	ENTIRE ISLAND-PERSP.DIST	12.5N	53.8E 12.5N	N 50.5E	15 LO		V 19910501	115011	136	273	46	20
85	65	SOMALIA	HAFUN PENINSULA	10.5N	.2E 11.	51.		z	Y 19910501	115030	136	275	45	20
85	99	SOMALIA	۵.	10.5N	.2E 11.		15 LO	z	-	115037	136	275	45	20
85	67	SOMALIA	۹.	10.5N	. 2E			z	Y 19910501	115046	136	276	44	20
82	68		BLANK		36.7N	N 47.9E			19910502	021522	139	69	-2	- 09
82	69		CARGO BAY-CIRRUS		40.9N			z	~	021649	140	71		09
82	20		CARGO BAY-CIRRUS		41.2N			z	Y 19910502	021654	140	71		60
82	71		CARGO BAY-CIRRUS		41.5N	53		z		021701	140	71		. 09
85	72		CARGO BAY-CIRRUS		41.7N	53.		250 N	19910	021705	140	72		09
82	73		CARGO BAY-CIRRUS		42.6N	N 54.9E		z	Y 19910502	021725	140	72	-	09
85	74	AUSTRALIA	BLURRED		18.7	S 133.7E	25 HO	250 F	N 19910502	072252	135	292	26	63
85	75	USSR-EUROPEAN	KURA R/BASIN. RESERVOIR	40.0N	~	48	0 0	z	19	095635	138	174	56	81
85	9/	KUWAIT	OIL FIRES, TIGRIS/EUPH. R.	29.5N	.5E	52		0	N 19910503	095803	137	187	59	81
85	11	IRAQ	AL BASRAH, TIG/EUPH. DELTA	30.5N				0	19	095819	137	189	59	81
82	78	KUWAIT	OIL FIRES, TIG/EUPH. DELTA	29.5N	SE	53		0	N 19910503	095822	137	189	60	81
82	79	KUWAIT	SAND STORM		30.0N	53	75 HO	250 0	N 19910503	095826	137	190	90	81
82	80	IRAQ	S					0	7	095839	137	192	90	81
82	81		STORM, E	25.5N	2.0E			2	N 19910503	095913	137	197	61	81
82		ARAB	STORM, GULF CO	24.5N	27.	56.1	0 0	z	7	095922		199	61	81
82	83	UNITED ARAB EMIRATES	SAND STORM, OFFSHORE ISL.	24.5N	53.5E 26.3N	N 56.7E		250 N	N 19910503	095935	137	201	29	81
85	84	UNITED ARAB EMIRATES	ABU DHABI,SAND ST.W.CST.	24.5N	54.5E 26.1N	N 56.8E	0 0		N 19910503	095939	137	202	62	81
85	85	OMAN	MUSANDAM PEN, STR. HORMUZ.	5	.5E 25.	57	07 0	z	-	095954	137	204	62	81
82	86	OMAN	MUSANDAM PEN, STR. HORMUZ.	26.5N	. 2E	N 58.0E			N 19910503	100001	136	206	29	81
82	87	IRAN		26.0N	57.0E 24.2N				N 19910503	100014	136	207	62	81
85	88	IRAN	MUZ,QESHM 1,CST	26.8N					V 19910503	100018	136	208	63	81
82	83	IRAN	MUZ,QESHM 1,CST	27.0N				z	N 19910503	100030	136	210	63	81
82	90	OMAN	M PEN, E/W CSTS.	25.3N	.3E		0 00	z	N 19910503	100035	136	211	63	81
82	91	IRAN	~	26.0N	. OE	9		250 N I	19910503	100107	136	216	63	81
82	95	OMAN	AL WAHIBAH,	22.0N	.5E 20.	61	07 0	250 N I	W 19910503	100131	136	220	64	81
82	93	MALAWI	LAKE NYASSA COAST	11.75	34.3E 11.4S	S 34.5E	20 LO	250 N	19910503	131003	139	286	48	83

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER		DIR							NIS	
	2	GEOGRAPHIC NAME	FEATURE			LAT LON	근	ш	- 1			٦	딥	ë
	94	MALAWI	LAKE NYASSA-MAZINZI BAY	34	.9E 1	35,4E	15 LO 2	z	-	03 131029	029 139		47	83
86	V		EUFAULA RESERVOIR	.0N 95	.2W 35.3N	95.5W	5 LO 2	250 N N	N 19910429	129 205453	453 141	1 248	49	24
98		USA-LA	AREA AROUND SHREVEPORT		.5W 32.9N	93.1W	60 10 2	250 N N	N 19910429	129 205546	546 140		48	24
98	7	CAYMAN ISLANDS		19.3N 81	.3W 19.	82	30 LO 2	250 N A	N 19910429	129 205956		8 272	39	24
98	က		PANORAMA, STORM CLOUDS		15.0N	₩8.	100 HO 2	_	N 19910429	129 210119	119 138	8 277	35	24
98	4				13.5N		100 HO 2	250 N N	N 19910429	129 210145	145 138	8 278		24
98	2	COLUMBIA	ند		•	7	2	z	N 19910429	129 210319		8 281		24
98	9	COLUMBIA				75	2	Z	N 19910429					24
86	7	COLUMBIA	SUNGLINT, EDDIES, ST, CLOUD		6.5N	74.	2	Z	7	-	_			24
86	80	USSR-PACIFIC		54.8N 160	.5E 55.	163.9E	2	_	V 19910429					52
98	o	USSR-PACTETC	KAMCHATKA DEN VOLCANOS	54 AN 160	5F 56 0N	164 RF	30 10 2	250 N A	29910429	920122 921	145	5 124	37	7.
86	10	USSR-PACIFIC		6N 160	3F 56	•	2		19910429					2.5
98	11	USA-AL		1N 159	. 5W 55.	157.41	2 2	: z	N 19910429					25
98	12	USA-AL	_	6.0N 159	.0W 55.		2	Z						25
	13	USA-AL		.0N 159	.0W 54.	154.4W		z	N 19910429		625 144	4 179		25
	14	MEXICO	DARK, SMOKE INLAND	17.8N 101	.2W 14.3N	102.1W	30 LO 2	250 N N	N 199104	0429 223105	105 138	8 277	35	52
	15		_		28.8N	70.9E			N 19910430	130 005824	824 141			27
	16		FRAME TOO DARK		30.1N	72.0E		250 N N	N 19910430	130 005849	849 14	_		27
	17		5		30.9N	•	ro 5	_	W 19910430	130 005904	_	41 76	5	27
98	18		FRAME TOO DARK		31.8N	73.5E	L0 2	250 N N	N 19910430	130 00292	922 14	1 76	_	23
4	•		7000			100		2 000	40.00	660300		,	4	ć
	r i		3		•	74.05			TOTEST P				9 1	, ;
	20		_		•	•	C 0	2	_					77
	21		DARK		33.	74.7E	2	Z	-					27
	22	INDIA	-	.0N 74	.0E 34.	75.8E	2	z	_					27
	23	PAKISTAN	MTNS	.0N 76	.0E 35.	77.2E	2	z		_				27
	24	CHINA	, NEAR	.0N 77	.0E 36.	77.6E	2	Z	_					27
	55	CHINA	SW., AGRI., NEAR SHACHE	.0N 77	.0E 36.	78.0E	5 LO 2	z	N 19910430	130 010054				27
	56	CHINA	AREA W.OF BACHU	39.8N 77	.3E 37.0N	78.5E	0 LO 2	20 N	N 19910430	130 010105	105 142	2 80		27
	27	CHINA	AREA W.OF BACHU	40.1N 78	.0E	78.9E	2	_	W 19910430	130 010111			12	27
98	88	CHINA	AREA N.OF BACHU	40.2N 78	.6E 37.7N	79.3E	2	250 N N	N 19910430	30 010119	119 142	2 81		27
86	59	CHINA	SAND DUNES, TARIM BASIN		38.8N	80.5E	10 00	250 N N	W 19910430	130 010141	141 142	2 82	13	27
86	30	CHINA	AGRI WENSU AREA	41.5N 79	.8E 39.7N	81.6E	0 0.0	250 N N	W 19910430	130 010200	200 142	2 82	14	27
98	31	CHINA	LAKE ULUNGAR AREA	.2N 87	. 2E	88	2		N 19910430					27
98	32	CHINA	IGAR	87	.2E 45.	89.7E		Z	N 19910430					27
	33	MONGOLIA	HAR US NUUR (LAKE)	48.2N 92	.4E 47.6N	93.3E	0 0.0	z	N 19910430	130 010458	458 143	3 94		27
98	34	MONGOLIA	HYARGAS NUUR (LAKE)	.2N 93	.4E 48.0N	94.0E	2	Z	N 19910430	130 010508	508 143			27
86	35	MONGOLIA	UVS NUUR (LAKE)	.3N 92	. 8E	95	2	z	N 19910430					23
98	36	USSR	ST OF	Z.	.5E 51.	102.	2	2	N 19910430		~			27
98	37	USSR	LAKE BAYKAL, IC	3.2N 10	.5E 53.		9 9	20	N 19910430		.		31	27
g	2	USSK	MIU. PAKI LAKE BAYKAL, ILE	53.8N 108	. ZE 53.5N	108.25	40 LD 2	2 00	19910430	130 010/51	/51 14	4 110	- 1	/2

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

GEOGRAPHIC NAME FEATURE	1 1	li	CENTER LAT LON	1		7 23		ll	1 1	1 1]]	AZ SUN		
FRAME TOO	T00			27.3N		9	z	N 19910430			140			_
FRAME TOO	2				47.4E	2	z	-			140		1 28	
FRAME TOO	2			28.5N	47.9E	2	Z			_	141			
FRAME TOO	2			œ	48.2E	2	Z	N 19910430			141	75	2 28	
FRAME TOO	20			29.3N	48.6E	2	z				141			_
FRAME TOO	100			29.7N	48.9E	2	z				141			_
FRAME	100			89.9N		2	Z	N 19910430			141	75		
FRAME	5			31.6N	50.5E	2	z				141	9/		_
FRAME TOO	5			~	0	07	20 N	_		7	141	9/	~	_
48 FRAME TOO DARK	20			33.0N	51.8E	2	250 N P	N 19910430		025320	141	7.1	7	œ
FRAME TOO DARK				33.4N	52.1E	2	250 N P	N 19910430		025926	141	77		80
50 IRAN ZAVVAREH AREA, SALT		FLATS	33.6N 5	E 33.9N	52.6E	0 N	z	N 19910430		022936	141	11		
51 IRAN ZAVVAREH AREA, SALT		FLATS	34.0N 53.0E	E 34.3N	53.0E	0 LO	250 N I	N 19910430		022944	141	78		
IRAN AREA N.OF	4	FLAT			53.3E	0	z	N 19910430			141	78	8 28	
IRAN N.CENTRA	_	EHRAN	S.	34	3		z			7	141	78		_
IRAN AREA S. OF	S. 0F		. 5N	35	4		z	N 19910430		4	142		9 28	_
IRAN AREA S.	S. 0F	SALT	8.	36	S		z				142			
IRAN	AREA AROUND EMAMRUD		.4N 55		5.	№	z			٠.	142			_
7 IRAN	NE IRAN		37.0N 56.0E		56.0E		z	N 19910430			142		11 28	~
58 IRAN NE IRAN, NEAR GONBADE	•	E QAB	37.0N 55.0E	E 37.5N	56.3E	₽ F0	250 N	N 19910430		023048	142	80 1	11 2	_
IRAN	USSR BORDER, CASPIAN	SEA	. O.	E 37.9N	56.7E		Z	N 19910430		023056	142	80 1	12 28	_
	NE IRAN, MOUNTAINOUS		S.	38	57.1E	№	250 N I	N 19910430		023104	142	81 1		_
USSR-MIDDLE BAKHARDE	BAKHARDEN AREA		.SN	38	57.6E		z				142			_
USSR-MIDDLE E.OF BAK	E.OF BAKHARDEN		. 2N	38	57.9E		Z	-		_	142			_
USSR-MIDDLE	ASHKHABAD AREA		8	9	58.1E	0 0	Z	N 19910430			142		13 28	_
USSR-MIDDLE	KIZYLARVAT AREA		S		58.6E		2				142			_
USSR-MIDDLE TSENTRAL'NYYE	TSENTRAL'NYYE DES	ERT	S NO.	49	59.2E		z				142			_
USSR-MIDDLE	TSENTRAL'NYYE DES	DESERT	.5N 59	40	29.6E		z			&				_
USSR-PACIFIC OSTROV A	OSTROV ATLASOVA(V	(OLCANO)	.8N 155	49.4N	•		20 N	N 19910430		_	~		52 28	
68 USSR-PACIFIC OSTROV ONEKOTAN	OSTROV ONEKOTAN		49.4N 154.8E	49.2N	153.9E	40 LO	250 N P	N 19910430		024807 1	143	205 5		_
SOCIETY ISLANDS	MAUPITI		.55 152	16.65	152.0W		Z	N 19910430		030901		288	9 28	
SOCIETY ISLANDS	BORA-BORA		.58	17.15	151.7W		z	***				288		
71 SOCIETY ISLANDS UTUROA	UTUROA		16.7S 151.5W	17.45	151.4W	20 NV	z	N 19910430		030916 1	138	288	8	
72 USSR-EUROPEAN AREA SW OF ASTRAKHAN	P	z	46.3N 47.5E	47.9N	48.4E	70 LO	250 N P	N 19910430		040414 1	143	93 2	23 29	_
USSR-EUROPEAN MOUTH OF VOLGA	VOLGA	œ	46.5N 48.5E	48.5N	49.5E	40 LO	z	N 19910430		040429 1	143	95 2		_
USSR-EUROPEAN MOUTH OF VOLGA	VOLGA	RIVER	46.5N 49.0E	E 48.7N	50.0E	0 0	250 N P	N 19910430		040435	144	95 2	24 2	_
USSR-EUROPEAN E. OF MOUTH OF		VOLGA R.	.8N 50		50.5E		z	_		040441 1			7	_
JAPAN ISLAND	ISLAND WAKE, CLOUD	Ś	.1N 141	44.3N	139.9E		Z	N 19910430					~	_
77 JAPAN ISLAND WAKE, CLOUDS	ISLAND	رم دم	45.1N 141.2E	43.8K	140.5E	95 5	250 N P	N 19910430		041950 1	142	223 5	53 2	o n (
בייני מרכיון ופריות ושמותו	1000		601 10.	3	101.66	- 1	2007	77007				1	1	_

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ā	9	SUSPENDENCE MANE	CEATIBE	CENTER	NADIR	IR IR	F	1 0		DATE	15	7 4	SUN.	8
a a	20,0	CHIMA	VINC KOLL ABEA	41 ON 122 OF	30 78	132 25	4	250 M	100104		1	֓֞֞֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֡֓֡֓֓֡֓֓֡֓֡֡֓֡֓֡֡֡֡	١	
2 6	n (בי ה ה	2 2		163.65	3 :	2 2						
ç ç	2 5		AREA SW OF SECUL	5	30.0V	•	3	Z	_					
82	8	SOUTH KOREA	SW S.KOREA, SUNGLINI		35.1N	128 3E	2	Z	-					
98	85	JAPAN	KYUSHU, NAGASAKI AREA		32.4N	130.9E	2	z	-					
86	83	JAPAN	KYUSHU, SAKURA JIMA	31.5N 130.6E	31.9N	131.3E	0 0	250 N	-	9910430 09	055330 1	140 2	253 49	
98	84	JAPAN	KYUSHU, SAKURA JIMA(DARK)	31.5N 130.6E	31.0N	132.1E	0 0		N 1991	19910430 0	055346 1	140 2	254 49	
98	85	JAPAN	AKURA	35.5N 130.6E	30.7N	132.4E	2	100 N			055353 1	140 2	255 49	
98	86	JAPAN	AKURA		29.3N				199			139 2		
98	87	CAROLINE ISLANDS	0		7.4N	148.3E	2	Z	199					
98	88		NEW, UNCHARTED ISLAND		86.	148.6E	2	z	199		_			9
98	88		RTEC		9.5N	148.8E	2	z	N 1991			_		e 1
98	90		ő			149.3E	2		199			7		
98	91		0		5.3N	149.5E	2	z	N 19910430		060136 1			
86	95	OCEAN		.25	4.25	155.0E	2				060426 1			
96	93	OCEAN	NUGURIS IS.	3.2S 154.6E	4.85	155.4E	2	250 N	-		060436 1	_		08 1
98	94	OCEAN	TULUN IS.		5.38	155.6E	2	z	N 1991					
98	92	PACIFIC OCEAN ISLAND	TULUN IS.	155	5.98	156.0E	80 10		199	10430 00	060455 1			
98	96	AUSTRALIA-NT	WESSEL ISLANDS	11.5S 136.5E	11.58	136.6E	≩	z	N 19910430		073610 1		288 15	
98	97	AUSTRALIA-NT	WESSEL ISLANDŠ	11.5S 136.5E	E 11.85	136.8E	40 LO	250 N	N 1991	10430 07	073615 1	137 20	288 1	5 31
87	0 V	IRAN	ZAGROS MTNS, DARK		33.6N	46.9E	20 LO 3		199	10428 12	120412 1	136 2	258 42	
87	-	IRAQ	æ	44	32.	47.4E	2	-						
87	7	IRAQ	π,	44		47.5E	2	_	-		_			
87	က	IRAQ		45	32.	47.7E	2	>	Y 1991(
87	4	IRAQ	S	45		48.1E	2	>	199		_			
87	လ	IRAQ		4	32.	48.2E	2	-	Y 1991(7
87	9	IRAQ	EUPHRATES R, IRRIG.	32.1N 44.8E		48.3E	2		199		120447 1			
87	7	IRAQ		44	E 31.9N	48.4E	20	250 U	Y 1991(120449 1	ű		
87	œ	IRAN	÷		E 30.6N	49.5E	2	>	-		~			
87	6	IRAN	æ	.0N 48.	E 30.4N	49.7E	2	⊃	_		120518 1	7		
87	10	IRAN	KARUN R, AGR.	31.0N 48.3E	E 30.1N	50.0E	70 LO		Y 1991(9910428 12	120524 1	137 21	263 39	
87	=	KUWAIT	OIL FIRES, SUNGLINT	29.0N 48.0E	E 29.2N	50.7E	70 60	250 U)	Y 19910428		120540 1	137 21	264 39	
87	12	KUWAIT	FIRES.	48	29	50.9E	9	_						
87	13	KUWAIT	FIRES.	8.8N 48	28	51.15	9	=				_		
8.7	14	IRAN	SPITS.	51	26.	52.6E	9	=	-					
87	15	IRAN	SPITS, PERSIAN	51	28.	52.7E	2	-	-		120627 1			
87	16	IRAN	AGROS MTNS.GULF	51	26.	52.9E	2	-	Y 19910428				267 37	
8.7	11	IRAN	CST. ZAGROS MINS. GULF	52	26.	53.1E	9	_	_					
87	18	SAUDI ARABIA		20	25.	53.7E	2	-	·					~
87	19	SAUDI ARABIA	SALWAH BAY, SALARS, SMOKE	24.7N 50.7E	24.	54.1E		_	199		1207021			
87	20	SAUDI ARABIA	BAY, SALARS, SMOK	4.6N 50	24.	54.2E		50 U	Y 19910	428			269 36	
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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ل _ا	138	138	138	138	138	138	138	138	138	138	100	000	138	143	143	143	143	143	143	144	145	145	Ç .	145	139	139	139	139	139	139	138	138	142	143	143	143	143	143	143	143	143	747
GMT	120716	120718	120721	120747	120749	120751	120757	120800	120801	120848	12005	000	120904	144021	144029	144040	144047	144054	144105	144116	144513	144520	8704	192204	210533	210537	210542	210546	210553	210613	211457	211504	220722	220734	220743	220820	220827	220850	220903	220915	220922	876077
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NON NON	54.7E	54.7E	54.9E	55.9F	55.9E	56.0F	56.2E	56.4E	56.4E			36.4	58.7E	118.2W	117.7W	117.1W	116.8W	116.4W	115.8W	115.1W	98.8W	07 KW	BO	115.4	80.6W	80.4	80.2W	80.1€	79.8₩		•	61.3W	124.9E	125.5E	126.0E	127.8E	128.2E	129.5E	130.2E	130.8E	31.2E	1.05
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ωN NO	51.5E	51.7E	51.8E	54.5E	•		55.0E	55.0E	55.0E	•				21.2W	121.8W	119.1W	118.7W	118.7W		116.8W	96.7w	00			82.5W	82.9W	81.5W	81.4W	•	81.5W			119.0E	120.5E	122.0E	25.0E			128.0E	1	129.0E	30 . B
CENTER LAT LON	2N												,	• •	• •			•		. 4N 1		2								- 2 2 2			5N 1:		.2N 1	2N 12						- 1
~	Ľ	_			23.0N	23.0N	21.	21.5N	21	;					36.8N	38.	38.	39.	39.	39.	51.	Ł.	•	;	23.	22. /N	22.6N	22.6N	•	21.			36.	36.0N	37.	38.			42.0N	;	41.5N	;
	SHAYRIB.C. KHUMAY	SHAYRIB, C. KHUMAY	SHAYRIB, C. KHUMAY	JGF	JGE J	36E	}	×	RY DARK					S BLANCO	BAY, COMMA CLD	VADAS	¥	SINK	RENO, MTN. SNOW	E RA.	ECT, ICE	175		:	ARK S	AKK		SECT.	٠.	DEL SUR			ST	ST	•				3AI SHAN	!	RANGE	
İ	YRIB.	YRIB.	YRIB.	DIINES-EDGE	DUNES-EDGE	DUNES-EDGE	11	SARIT-DARK	SARIT-VERY	RY DARK	9	774	DARK	. PIEDRAS	Y, COM	MONO L,SIERRA NEVADAS	L.WALKER, HAWTHORNE	FALLON, CARSON R/SINK	NO, M	SMOKY VAL, TOIYABE RA.	L.WINNEPEG-MID SECT	WINNEDEC-NO END	NO. EN	MASS	HAVANA-CLOUDY, DARK	SECI, UAKK	BAY, MID SECT	_		_	DARK	DARK	BAY, COAST	, COAST	PENINSULA	AFLD		NONS	OL., CHANGBAI		MTN. RAI	.CNIE
	132						S			4	2	2	VERY	PT.P	EY BA	, SIER	ER, HA	⋖	.; E	/AL,T	-93d	.056	בובפ	AGK, CLOUD MASS	2 5					EY L		VERY D	_	_		SAN,	SN	. SN:	VOI.	~.		ا -
FEATURE	CST.C.ML	CST.C.MU	CST.C.MU	KIDAN	KIDAN			URUO AS	LIRILO AS	٠.	2		VERY,	CST RA,PT	MONTEREY	NO L	MALK	LLON	L.TAHOE,	IOKY \	MIN	MATA	ALT A	¥.	VANA	MID-WEST	LA BROA	BROA	LA BROA	BANKS, KE	AGR, VERY	AGR, VI	JIAOZHOU	LAOSHAN	SHANDON	C.CHANGS	MOUNTAIN	MOUNTAIN	PAEKTU V	MOUNTAIN	HAMGYONG	200
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GEOGRAPHIC	UNITED	UNITED	UNITED	UNITED	UNITED	UNITED	SAUDI	SAUDI	SAUDI					USA-CA	USA-CA	USA-CA	USA-NV	USA-NV	USA-CA	USA-NV	CANADA-M	CANADA-M		CANADA-A	CUBA	CUBA	CUBA	CUBA	CUBA	CUBA	BRAZIL	BRAZIL	CHINA	CHINA	CHINA	NORTH	SOUTH	NORTH	CHINA	NORTH	NORTH	בייניי
85	21	22	23	24	25	56	27	88	58	30	÷	70	32		34	35	36	37	38	39	40	41	; ;	74	4 3	4	45	46	47	48	49	20	51	25	53	54	22	99	57	58	60	20
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER	ER	NADIR	IR		1					3		Γ,
H	E	GEOGRAPHIC NAME		LAT	İ			티	اس اب	_1	- 1	EM I	- 1	- 1	1	š
81	61	NORTH KOREA	HAMGYONG MTNS, COAST	42.3N 1	129.9E 4	2 2 2	132.1E	2	-			220937	143	88	20	
87	62	CHINA	MOUNTAINS				132.7E	2	_			220947	143	88	21	_
87	63	USSR-PACIFIC	COAST, MTNS.	43.2N 1	131.3E 4	41.4N 1	133.2E	2	250 U N	N 1991	19910428 2	220956	144	88	21	6
87	64	USSR-PACIFIC	MOUNTAINS, CLOUD CELLS		4	41.9N 1	133.8E	45 LO 2	250 N N	N 1991	19910428 2	221006	144	90	22	0
87	65	CHINA	HSIAO-HSING-KAI LAKE	45.3N 1	7.		134.7E	10 LO 2	250 U N	N 1997	19910428 2	221019	144	91	22	8
87	99	USSR-PACIFIC	LAKE KHANKA	2			134.9E	2	>		19910428 2	221023	144		22	6
87	67	USSR-PACIFIC	LAKE KHANKA	×.	6E	NO.	135.4E	2	>		19910428 2	221031	144		23	8
87	89	CHINA			4	68	136.2E	60 LO 2	Z	N 1991	9910428 2	221044	144	92	23	6
87	69	MEXICO	LAG. DELICIAS, IRRIG.	28.1N 1	105.5W 2	9		2	2	-		223312		264	40	6
87	70	MEXICO	TORREON, GOMEZ PALACIO	5.5N	.5€	4 . 1N	104.7W	2	⊃	-		223435		569	37	o
87	71	MEXICO	VERY DARK. MTNS.		N	20.0N 1	101.7W	2	250 U P		19910428 2	223551	139	273	34	-
87	72	MEXICO	. 89		-	89.			90 n	N 1991		223558		274	34	•
87	73	USSR-MIDDLE	_	51.9N 1	104.6E 5	NG.		2	z		19910429 (011318		109	32	11
87	74	USSR-MIDDLE	L.BAYKAL, ANGARA R.SNOW	51.8N 1	105.2E 5	51.7N 1	106.7E	2	250 N)	Y 1991	19910429 (011324	145	110	32	11
87	75	USSR-MIDDLE	SNOW/IC	52.0N 1	105.6E 5	NO.	107.4E	2	250 N)		19910429 (011332	145	110	33	11
87	9/	USSR-MIDDLE	L.BAYKAL, SELENGA R/DELTA	38	3E	3N	108.4E	2	Z	-	9910429 (011343		112		11
87	11	USSR-MIDDLE	L.BAYKAL, OLKHON I, SN/ICE	52.9N 1	107.5E 5	52.6N 1	109.2E	10 LO 2	250 N)	Y 1991	19910429 (011352	145	113	34	11
87	78	USSR-MIDDLE	OLKHON I	몶	.0E	NI.	110.7E	2	z			011408		114		11
87	79	USSR-MIDDLE	PEN,	53.7N 1	5E		111.1E		Z	Y 1991		011412	145	115		11
87	80	USSR-MIDDLE	L.BAYKAL, SVYATOY PEN, S/I	54.0N 1	109.0E 5	53.5N 1	112.1E	2	250 N)	۲ 199	19910429 (011422	145	116	35	11
87	81	USSR-MIDDLE	L.BAYKAL, SNOW/ICE	54.6N	109.4E 5	53.8N 1	113.1E	10 10 2	250 N)	Y 199	19910429 (011432	145	117	35	
7	8	IISSR-MIDDLE			ä	2	114 2F	9	Z	100		011443		110		-
. 6	, e	ISSR-FIIROPFAN		54.3N	T	N 1	50.2F	2 =	: =			054414		123		: 4
87	84	USSR-EUROPEAN	VOLGA	54.3N	2	S)	٧.		· =	Y 1997		054423		124		14
87	85	USSR-EUROPEAN	AGR-BLURRED, CLOUD STRIP			δ.	51.9E	2	_		19910429 (054430		125		14
87	86	USSR-EUROPEAN	AGR-BLURRED, CLOUD STRIP		•••	55.6N	52.7E	2	250 U \	Y 1993	9910429 (054437	145	126	38	14
87	87	USSR-EUROPEAN	UFA R, AGR, JET STREAM	55.3N	56.5E 5	56.3N	56.9E	40 LO 2	250 N N	N 199	9910429 (054515	145	131	40	14
87	88	USSR-MIDDLE	PANORAMA, AGR, FIRES		/	57.2N	67.8E	2	250 U N	N 1993		054650		145		14
87	83	USSR-MIDDLE	PANORAMA, SE, FIRES, AGR.		٠.,	57.3N	68.8E	오	¬	N 1993		054658	145	147		14
87	06	FRANCE	GIRONDE R/ESTUARY,CST	45.5N	0.9W	44.1N	. 4E	20 LO 2	250 U P	199	10429 (070833	144	91	22	15
8.7	91	FRANCE	DOUBS R, DIJON, AGR.	47.2N	5.4E 4	47.1N	5.3E	0 NV 2	250 U N	N 199	9910429 (070943	144	97	26	- 2
87	35	GERMANY	REGENSBURG, DANUBE R.	49.0N	12.0E 5	50.3N	11.9E	2	250 U N	N 1991	19910429 (071106	145	104	30	- 21
87	93	POLAND	VISTULA R, KALININGRAD B.	54.1N	19.36 5	53.6N	21.3E	2	250 U N	-	9910429 (071249	145	115	34	 91
87	94	SWEDEN	GOTEBORG, COAST, KATTEGAT	57.5N	.0E	57.2N	7.9E	2	250 N N	_	9910429 1	101648		155	45	17
87	92	SWEDEN	COAST, KATTEGAT		R			2	z	_		101653	145	156		17
87	96	SWEDEN	DALBO LAKE-KINNE BAY	58.5N	. 5E	•		2	Z	-		101703		158		17
87	97	SWEDEN	VATTERN L-SOUTH END	57.7N	.3E	_	₹.	2	20 N	-	•	101709		159		17
87	86	SWEDEN		57.1N	8	۲.		2	20 N	199		101714		160		
87	66	SWEDEN	GOTLAND I, (SO. HALF)	57.3N	18.5E	57.0N	12.1E	30 FO 5	250 N P	2 2	10429	101724	145	161	946	11:
à		SHEDEN	מ ערשיין	<i>i</i>	۱;	:	13.16	3	200	661	2	76/101	2	701	-	

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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1		DECONALITE NAME	,						. 1	<u>-ا</u> ا:	1			١	ł	5 :	T
<u>×</u>	101	SWEDEN	1-80.	NO. 76	3	26. /N	15.5			2							
87	102	SWEDEN	GOTLAND I-MID SECT.	57.3N	2E	56.7N	15.9E	20 L	LO 250	z ⊃ 0	19910429	101757					
87	103	POLAND	HELSKA SPIT, GDYNIA, AFLD	54.5N	18.5E	56.5N	17.7E	0	LO 250	N N	19910429	101812	2 145	169	47		
87	104	USSR-EUROPEAN	KALININGRAD, AFLD, COAST	54.7N	3E	56.4N	18.4E	15 L	10 250	z		101819		170		17	
87	105	USSR-EUROPEAN	KALININGRAD, AFLD, COAST	54.7N		56.3N	19.0E			z				171		17	
87	106	USSR-EUROPEAN	BARRIER	55.1N		56.1N	20.4E		LO 250		19910429	101836		173	3 48	17	
87	107	USSR-EUROPEAN	•	48.8N		50.2N	41.9E	0	LO 250	>		102216	6 144	1 208	3 51	17	
87	108	USSR-EUROPEAN	VOLGA R, KRASNO-ARMEYSK	48.0N		50.0N	42.3E			-				1 209		17	
87	109	USSR-EUROPEAN	KAPUSTIN, AFLDS, AGR.	48.9N		49.2N	44.2E	0	LO 250	Z		102243	3 144	1 213	5 51	17	
87	110	USSR-EUROPEAN	L.ELTON, AGR.	49.1N	46.5E	49.0N	44.4E	0		z	19910429	102246	6 144	213	51	17	
87	111	USSR-EUROPEAN	SALT LAKES, SHUNGAY	48.5N	46.8E	48.8N	44.8E		10 25	50 N N	1 19910429	102251	1 144	21	4 51	17	
8	113	IISSR-FIIROPEAN	I BASKIINCHAK AGR RR	47 ON	47 OF	AR GN	45 2F	-	•	2				2		17	
87	113	USSR-EUROPEAN	VOLGA R/CHAN. AGR.	47.7N	46.7E	48.4N	45.7E			: z							-
87	114	USSR-EUROPEAN	SUYUNDUK, BALKUL UK, SALARS	48 1N	47.7E	48.2N	46.1E	0		Z							
87	115	USSR-EUROPEAN	L. ARALSOR, RYN DESERT	48.8N	48.4E	47.9N	46.7E			N							
87	116	USSR-EUROPEAN	VOLGA R/CHAN,MIL.BASE	46.8N	48.0E	47.6N	47.2E			z	19910429	102322					
87	1117	USSR-EUROPEAN	VOLGA R/DELTA, FIL. BASE	46.7N	48.5E	47.5N	47.5E	0	LO 250	V N O	19910429	102326	6 143	219	51	17	
87	118	USSR-EUROPEAN	ш			47.1N	48.1E		LO 250	Z Z	1 19910429	102334			51		
87	119	USSR-EUROPEAN	CASPIAN SEA, ZABURUNYE B.	46.8N	50.0E	46.9N	48.5E		10 250	z		102340		3 221			
87	120	USSR-EUROPEAN	CASPIAN SEA, SENNOY BAY	47.0N	50.6E	46.7N	48.8E		LO 250	N O	19910429	102344	4 143	3 221	1 51	17	
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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46 CANADA-BC WILLISTON LAKE RES. 57.0N 125.0W 10 NV 250 U 47 CANADA CANADIAN ROCKIES 55.0N 123.0W 0 LO 250 U 48 CANADA CANADIAN ROCKIES 55.0N 122.0W 0 HO 250 U 49 CANADA-O OWEN SOUND 44.5N 81.0W 0 NV 250 U 50 USA-NY BUFFALO, NIAGARA FALLS 43.5N 81.0W 0 NV 250 U 52 USA-NY FINGER LKS. REGION 43.0N 77.0W 5 NV 250 U 53 USA-NY NL., YORK CITY AREA 40.5N 74.0W 0 NV 250 U 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U	&		ROCKY MTNS. 57.0N	≥
47 CANADA CANADIAN ROCKIES 55.0N 123.0W 0 LO 250 U 48 CANADA CANADIAN ROCKIES 55.0N 122.0W 0 HO 250 U 49 CANADA-O OWEN SOUND 44.5N 81.0W 0 NV 250 U 5C CANADA-O NEAR KITCHENER 43.5N 81.0W 0 NV 250 U 51 USA-NY FINGER LKS. REGION 43.5N 73.0W 50.0W 55.0 U 52 USA-NY NL., YORK CITY AREA 40.5N 74.0W 0 NV 250 U 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U	80	Ī	NO.73	NV 250 U
48 CANADA CANADIAN ROCKIES 55.0N 122.0W 0 HO 250 U 49 CANADA-O OWEN SOUND 44.5N 81.0W 0 NV 250 U 5C CANADA-O NEAR KITCHENER 43.5N 81.0W 0 NV 250 U 51 USA-NY BUFFALO, NIAGARA FALLS 43.5N 79.0W 50.0W 52 USA-NY FINGER LKS. REGION 43.0N 77.0W 50.0V 53 USA-NY NL., YORK CITY AREA 40.5N 74.0W 0 NV 250 U 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U		_	55.0N	LO 250 U
49 CANADA-O OWEN SOUND 44.5N 81.0W 0 NV 250 U 5C CANADA-O NEAR KITCHENER 43.5N 81.0W 0 NV 250 U 51 USA-NY BUFFALO, NIAGARA FALLS 43.0N 79.0W 50 U 52 USA-NY FINGER LKS. REGION 43.0N 77.0W 50 U 53 USA-NY NL, YORK CITY AREA 40.5N 74.0W 0 NV 250 U 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U			ROCKIES 55.0N	HO 250 II
5C CANADA-O NEAR KITCHENER 43.5N 81.0W 0 NV 250 U 51 USA-NY BUFFALO, NIAGARA FALLS 43.0N 79.0W 50 U 52 USA-NY FINGER LKS. REGION 43.0N 77.0W 50 U 53 USA-NY NL, YORK CITY AREA 40.5N 74.0W 0 NV 250 U 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U		_	NG: 44	NV 250 U
51 USA-NY BUFFALO, NIAGARA FALLS 43.0N 79.0W 5 NV 250 U 5 USA-NY FINGER LKS. REGION 43.0N 77.0W 5 NV 250 U 5 S USA-NY NL, YORK CITY AREA 40.5N 74.0W 0 NV 250 U 5 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U			A2 5M	NV 250 II
8 52 USA-NY FINGER LKS. REGION 43.0N 79.0W 5 NV 250 U 5 NV 250 U 6 NV 250 U 77.0W 5 NV 250 U 77.0W 5 NV 250 U 77.0W 78.0M 74.0W 6 NV 250 U 78.0M 74.0W 6 NV 250 U 78.0M 74.0W 70.0M 74.0W 6 LV 250 U 78.0M 74.0W			E0.01	0 0 0 0 AN
8 52 USA-NY FINGER LKS. REGION 43.0N 77.0W 5 NV 250 U 8 53 USA-NY NL., YORK CITY AREA 40.5N 74.0W 0 NV 250 U 8 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U	20 (NIAGARA FALLS 43.UN	0 062 VN
8 53 USA-NY NE. YORK CITY AREA 40.5N 74.0W 0 NV 250 U 8 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U	20 (KS. REGION 43.0N	NV 250 U
8 54 USA-NY NEW YORK CITY, HUDSON R. 41.0N 74.0W 0 LO 250 U	20 (CITY AREA 40.5N	NV 250 U
			CITY, HUDSON R. 41.UN /4	LO 250 U

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ā	<u>a</u>	GEOGRAPHIC NAME	FEATURE	CENTER	NADIR	CC TL FL E S	DATE GN	GMT AL	AZ EL	క
88	55	USA-NY	HUDSON RIVER	41.5N 74.0W		0 LO 250 U N				
88	98	USA-CT				≥				
88	57	USA-NY	LONG ISLAND			0 NV 250 U N				
88	58	USA-NY	IS			0 NV 250 U N				
88	9	USA-NY	IS	41.0N 73.5W		0 LO 250 U N				
88	90	USA-MS	CAPE COD, NANTUCKET IS.	41.5N 70.0W		30 LO 250 U N				
88	61	USA-MS	PROVIDENCE, BOSTON	42.0N 71.0W		20 LO 250 U N				
88	62	USA-MS	CAPE COD	42.0N 70.0W		2				
88	63	BERMUDA ISLANDS	HAMILTON, CLOUDS	32.5N 64.5W						
88	64	BERMUDA ISLANDS	HAMILTON, CLOUDS	32.5N 64.5W		70 LO 250 U N				
88	65		AGRICULTURE, LG. AIRPORT			55 LO 250 U N				
æ	99	IISSR-PACTETC	KIINASHTR TS KIIRTIF TS	44 ON 146.0F		5 LO 250 U N				
8	67	JAPAN	SHIRETOKO MIS. NEMURO S	43.5N		LO 250 U				
8 8	. œ	JAPAN	NEMILIED BAY GOYOMALI STR.	43.0N		LO 250 U				
88	69					≩				
8	20					NV 250 U				
8	7.1					NV 250 U				
8	72		CLOUDS			NV 250 U				
80	73		CLOUDS, RIVER			NV 250				
88	74	BURMA	.8	21.0N 95.0E		LO 250 N				
88	75	BURMA	RIVER			LO 250 N				
88	9/	BURMA	RIVER			LO 250 N				
88	11	BURMA	RIVER			LO 250 N				
88	78	BURMA	RIVER			LO 250 N				
88	79	BURMA	IRRAWADDY RIVER DELTA	S.		2				
88	80	BURMA	SALAWEEN RIVER BASIN	.0N 97		LO 250 N				
88	81	BURMA	DAUNA RANGE	18.5N 97.0E						
88	82	BURMA	SALAWEEN RIVER MOUTH	16.5N 97.5E		LO 250 N				
88	83	BURMA	GULF OF MARTABAN	16.0N 97.0E		LO 250 N				
88	84	BURMA	IRRAWADDY RIVER DELTA	15.5N 95 0E		20 LO 250 N N				
88	85	BURMA	MOUNTAINS, SALAWEEN R.	16.5N 98.5E		40 LO 250 U N				
88	86	THAILAND	NEAR CHIANG MAI			35 NV 250 U N				
88	87	THAILAND	KAN NIM RESERVOIR			2				
88	88	THAILAND								
88	89	BURMA	NEAR KYAIKKAMI	16.0N 97.5E		60 LO 250 U N				
88	06	BURMA	MOUNTAINS, STREAMS	86		2				
88	91	THAILAND	AREA NORTH OF BANGKOK	14.5N 100.5E		30 LO 250 U N				
88	85	THAILAND		-		≩				
88	93	THAILAND	BANGKOK	14.0N 100.5E		40 NV 250 U N				
88	94	THAILAND	BANGKOK	14.0N 100.5E		60 NV 250 U N				

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

L				CENTED	MANTR					
R	FR	GEOGRAPHIC NAME	FEATURE	LAT	LAT	CC TL FL E S	DATE	GMT AL	AZ A	EL OR
88	98	BURMA	COASTAL MOUNTAINS	13.5N 99.0E						
88	96	BURMA	COAST, MALI ISLAND	14.5N 98.5E		45 LO 250 U N				
88	97	THAILAND	AREA WEST OF BANGKOK	14.0N 99.5E		50 LO 250 U N				
88	86	THAILAND	AREA WEST OF BANGKOK			50 LO 250 U N				
88	66	THAILAND	00	_		75 LO 250 U N				
88	100	THAILAND				LO 250 U				
88	101	THAILAND	CLOUDS			250 U				
88	102	MALAYSIA	CLOUDS, COAST			85 LO 250 U N				
88	103	INDONESIA	Œ	1.5N 104.0E		2				
88	104	INDONESIA	RIVERS, AGRICULTURE			25 LO 250 U N				
88	105	INDONESIA				2				
88	106	INDONESIA	SE			2				
88	107	INDONESIA				LO 250 U				
88	108	INDONESIA	COASTAL AREA, VILLAGES			55 LO 250 U N				
88	109	INDONESIA	COASTAL AREA, VILLAGES			25 LO 250 U N				
88	110	INDONESIA				40 LO 250 U N				
88	111	INDONESIA	AREA.			25 LO 250 U N				
88	112		•			250 U				
88	113					LO 250 U				
88	114					LO 250 U				
88	115		RESERVOIR							
88	116		RESERVOIR, ESCARPMENT			LO 250 U				
88	117		RIVERS			LO 250 U				
88	118		RIVERS,			LO 250 U				
88	119		RIVERS,			2				
88	120		SMALL RIVERS, LAKE			LO 250 U				
88	121		RESERVOIR, RIVER			LO 250 U				
89	0 0		MOUTH			90 LO 250 N N			284	26 23
83		BRAZIL	MOUTH AMAZON		3.9N 50.4W	95 LO 250 N N	19910429 193457		284	
88	7	BRAZIL	VICINITY MOUTH AMAZON R.		3.0N 49.9W	90 LO 250 N N 19	19910429 193514	514 137	284	25 23
68	m	BRAZIL	VICINITY MOUTH AMAZON B.		2.3N 49.5W		19910429 193527	527 137	284	24 23
68	4	BRAZIL			49	LO 250 N N			285	
68	· va	BRAZIL	AZON R.		48	80 LO 250 N N			285	23 23
68	ေ	BRAZIL	NE BRAZIL VRY CLOUDY		47	70 LO 250 N N			286	
0	,	BRAZII				60 10 250 N N			286	20 23
2	- α	88471			46	N N 022 01 00			286	
3 8	0	BDA 711	5005			40 LO 250 M M			200	
0 0	n c	BDA71	NE BDA71 FOREST MINS.		4	30 LO 250 N N			2 8	10 2
0 0	2 =	RRATTI	NE BRAZIL FOREST MINS		3 2	10 LO 250 N N			286	
0 00	12	BRAZIL	NE BRAZIL FOREST MINS.		55.	60 LO 250 N N			286	
)		

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER	NADIR						S		Γ
Æ	æ	GEOGRAPHIC NAME	FEATURE	LAT LON			1	S DATE	- 1	-1	AZ EI		~
88	13	BRAZIL			.38	70		N 19910429					23
68	14	BRAZIL				20			•				~
83	15	BRAZIL	NE BRAZIL, FOREST, MTNS.		7.1S 44.0W	90		N 199104.2					~
83	16	BRAZIL	NE.BRAZIL, FOREST, MTNS.		7.5S 43.8W	9		N 19910429					~
83	11	BRAZIL	SWAMPY AREAS		8.7S 43.1W	30		N 19910429					~
83	18	BRAZIL	AREA AROUND MORPARA	11.5S 43.4W	9.18	40	250	N 19910429	193850	138			
68	19	BRAZIL	VRY DARK FRAME		9.7S 42.5W	40	250 N	N 19910429	193901				~
88	20	BRAZIL	AREA NEAR UBATA			4	250 N				287		23
8	21	BRAZIL	AREA NEAR UBATA		14.6S 39.5W	20 10	250 N	N 19910429	194028	138	287	8	~
83	22	CANADA-BC	PRINCE RUPERT AREA	54.5N 130.5W	55.0N 1	1 5 LO	250 N	N 19910429	204638	144	179 4	49 2	4
6	23	CANADA-BC	KITIMAT AREA	54.0N 129.0W	54.8N 131.8W	0 0	250 N	N 19910429	204645	144	180 4	49 2	
9 6	7 6	CANADA-BC	•	-	SA SN	9		N 10010429		144		50.0	-
n 0	25	CAMADA-OC	MATALVIIZ I AKE ABEA	•	7 P	7	250		-	144			. 4
5 6	3 6	CANADA 90		. 418 150.		3 <	25.0			777		24	
200	2 (•			2	250	N 19910429		777		52 6	
2 0	700	CANADA-BC	ADEA N VEDRON	-	20.00	9 6	250			144		, ,	. 4
200	0 0	CANADA-5C	.		NO 00	7 4	000			; ;			
50 0	67	CANADA-BC			20.02 0.03	00	007			243			* •
6	30	CANADA - BC	CASTLEGAR AREA, L. ARROW L	11/.	NZ.06	9 4		N 18910429		143			4
- 83	31	USA-TX	TEXARKANA, RED RIVER	.5N 93	34.6N 94	0	~	N 19910429		141	_		<u>-</u>
58 —	35	USA-LA	SHREVEPORT, RED RIVER	32.6N 93.6W	34.3N 94.4W	30 LO	250 N	N 19910429	205514	141	251 4	49 2	-
8	33	USA-LA	DARK, CLOUDY FRAME		32.2N 92.5W	01 09 I	250 N	N 19910429	205554	140	255 4	47 2	4
68	34	USA-LA	CENTRAL LA. RED RIVER	32.0N 93.0W		20 00		N 19910429	205600	140	255 4	47 2	4
68	35	COLOMBIA	AL CO		N6.7	40		N 19910429		138			4
68	36	COLOMBIA				20	250		-				4
68	37	COLOMBIA				40	250		210353			28 2	4
68	38	COLOMBIA				9		N 19910429	210423	137			_
83	39	COLOMBIA	RIO GUAYABERO	2.5N 72.6W	2.9N	90	250	N 19910429	210450	137	284 2	25 2	4
83	40	COLOMBIA	RIO GUAVIARE, CHAPARRAL	2.8N 71.8W	2.4N	20	250 N	N 19910429	210458	137	284 2		4
83	41	PERU	AMAZON RIVER		1.1S 70.3W	70 L0	250 N	N 19910429	210601	137	286 2	22 2	4
68	45	BRAZIL	CLDY, PARTIAL FRAME		2.8S 69.3W	80 LO	250 N	N 19910429	210632	137	286 2		<u> </u>
88	43	BRAZIL	DR FRAME, RIVER, CLOUDY		5.2S 67.9W	90 FO	250 N	N 19910429	210714	137	287 1	18 2	
89	44	USA-CA	COAST	40.0N 124.0W	43.6N 1	40		N 19910429	222133		227 5	2	5
83	45	USA-CA	CA.COASTLINE, MTNS.	124	43.4N	20		•				52 2	
83	46	USA-CA		40.0N 124.0W	43.1N	07 0		N 19910429	222145	142	228 5		
88	47	USA-CA	CA.COASTLINE, MINS.		42.1N	0		N 19910429	222208	142		52 25	
68	48	USA-CA	AREA S. EUREKE	40.4N 124.2W		0		N 19910429	222216	142	233 5		٠,0
83	49	USA-CA		• •		0	250 N	N 19910429					.0
68	20	USA-CA	UKAIH AREA,PT.ARENA			0		• •					2
83	51	USA-CA	S	.4N 122.	.5N 122.	o ·	250 N	•	~	_		51 25	
88	52	USA-CA	PT.REYES, SAN RAFAEL	38.0N 122.8W	39.2N 122.4W			N 19910429	222309	141	239 5	_	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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<u>ہ</u>	Œ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON	NO.		<u>.</u>	E E	DATE	GMT	AL	AZ SUN	≥ Ш	8
88	53	USA-CA	SAN FRANCISCO, BAY AREA	37.8N 1	122.5W 3	38.9N 12	122.1W		10 250	z	19910429	222314		240	51	25
68	54	USA-CA	S.SAN FRANCISCO BAY AREA	8 9			121.9W		LO 250	z	19910429	222319	141	240	51	25
68	55	USA-CA	MONTEREY BAY AREA	36.9N 1		38.4N 12	121.5W	0 	L0 250	NO	19910429	222326	141	241	51	52
68	99	USA-CA		4. N	121.6W 3	•	121.1W		LO 250	N O	19910429	222333	141	242	51	52
88	57	USA-CA	AREA NW. PASO ROBLES	8 0.	121.0W 3		120.8W	0 L	LO 250	Z 0	19910429	222339	141	243	20	25
88	58	USA-CA	AREA AROUND PASO ROBLES	4. N	120.6W 3	-	120.5W		LO 250	N N	19910429	222344	141	243	20	25
68	59	USA-CA	SANTA MARIA AREA	8	120.4W 3	• •	120.1W		LO 250	z	19910429	222352	141	244	20	52
68	9	USA-CA	RBAR	7.			119.8W			NO	19910429	222357	141	245	20	25
68	61	USA-CA	VENTURA AREA	38		36.5N 11	119.5W		LO 250	N	19910429	222403	141	245	20	25
68	62	USA-CA		. 1N		36.0N 11	119.0W	0 L	LO 250	z	19910429	222413	141	246	20	52
6	ç	40		3	ā	3		•		2		10000		070	•	96
S C	S	USA-CA	_	20	3	Z.	118.4W			2		474777		0 1	7	67
ත ස	64	USA-CA	BURMUDA DUNES AREA	8. N	₹.	8	117.8W			Z		222437		249	49	52
68	65	USA-CA	SAN DIEGO AREA	8		34.3N 11	117.3W			Z Z O	-			250	49	25
8	99	MEXICO	MEXICALI AREA	32.5N 1	115.6W 3.	33.9N 11	116.8W	0	LO 250	z	19910429	222456	140	251	48	25
88	67	MEXICO	MOUTH COLORADO RIVER	.2₩	115.2W 3	33.2N 11	116.2W	5	LO 250	2	19910429	222509	140	252	48	52
83	68	MEXICO	MOUTH COLORADO RIVER	31.7N 1	115.2W 3.	32.9N 11	115.9W	20 L	LO 250	z	19910429	222515	140	253	48	25
83	69	MEXICO	BAHIA DE ADAIR	.6N	113.9W 3	32.5N 11	115.6W	10 L	LO 250	z	19910429	22252	140	254	48	25
83	70	MEXICO		. 2N	113.5W 3	2N	115.2W	50 L		Z	19910429	222529	140	254	48	25
83	7.1	MEXICO	BAJA CALIFORNÍA	NS.	114.5W 3	31.4N 11	114.5W	90 L		Z	19910429	222545	140	256	47	25
83	72	MEXICO	BAJA CALIFORNIA	8. 8.	113.7W 3	NO.	114.2W	50 L	LO 250	z	19910429	22255	140	256	47	25
88	73	MEXICO	ISLA TIBURON	8 0	₹.	29.9N 11	113.3W	90 L		z		222612		258	47	25
83	74	MEXICO	VOLCAN LAS VIRGENES AREA	38	.6W 2	9.3N 11	112.8W	_		Z	•	222624		259	46	52
83	75	MEXICO	BAJA, LAGUNA SAN IGNACIO	N6.	₹.	28.8N 11	112.3W			N N O	_	222634		260	46	52
83	9/	MEXICO	BAJA, BAHIA CONCEPCION	8. 8.	112.0W 2	Z.	111.8W	20 L	LO 250	z		222647		261	45	25
83	11	MEXICO	ESTERO LOBOS AREA	38	110.4W 2	27.3N 11	111.1W			z	•	222702		262	45	25
83	78	MEXICO	BAHIA YABAROS AREA	26.6N 1	109.5W 2	27.0N 11	110.9W	80 L	LO 250	N N O	19910429	222708		263	45	25
89	79	MEXICO	LA MOCHIS AREA	25.8N 1	109.0W 2	26.7N 11	110.6W	70 L	LC 250	z	19910429	222714	139	263	4	25
89	80	MEXICO	CULIACAN AREA	24.6N 1	108.0W 2	5.4N 10	MZ . 601	10 L	LO 250	N N O	19910429	222737	139	265	44	25
83	81	MEXICO	ACAPONETA AREA	8. 8.	106.0W 2	3.8N	108.5W	0	LO 250	N N	19910429	222807		267	43	25
68	85	MEXICO	TUXPAN AREA	21.8N 1	105,5W 2	3.3N	108.1W	7 0	LO 250	z	19910429	222817	139	268	42	52
83	83	MEXICO	ISLAS MARIAS	21.8N 1	106.6W 2	. 5N 1C	107.6W	0	LO 250	z	19910429	222831	139	269	45	25
88	84	MEXICO	PUERTO VALLARTA AREA	20.6N 1	105.5W 2	•	107.0W	0	LO 250	2 2 0	19910429	222846	139	270	41	25
83	85	MEXICO	TOMATLAN AREA	3	105.5W 2	21.3N 1C	106.7W	0	LO 250	z	19910429	222853	138	270	4	25
83	86	MEXICO	MANZANILLO AREA	19.2N 1	104.5W 2	20.5N 1C	106.2W	0	LO 250	z	19910429	222908	138	271	\$	25
83	87	MEXICO	COASTLINE S.COAHUAYANA	4. S	3€	A N	105.4W			N	•	222929		272	39	25
68	88	MEXICO	COASTLINE, BAHIA BUF ADERO	18.3N 1	102.7W 1	18.8N 10	105.0W	5	LO 250	z	19910429	222939	138	273	38	25
83	83	MEXICO	BAHIA PETACALCO	17.9N 1	102.2W 1	18.3N 10	104.6W		LO 250	N N	19910429	222949		273	38	52
83	90	JAPAN	KYUSHU,SAK 4-JIMA	. 7N	130.6E 3	30.7N 13	32.4E	0 L	LO 250	N N O	19910430	055348	140	255	49	30
83	91	JAPAN	KYUSHU,SAK 1-JIMA	. 6N	9E	. 5N 1	•	0		2 0	19910430	055351		255	49	30
88	85	JAPAN	KYUSHU, SAKUKA-JIMA, DARK	31.6N 1	130.6E 3	30.1N 13	32.8E		LO 250	S S	19910430	055358	140	256	48	30
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TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

į	ĺ															
-R	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	IER LON	NADIR LAT LC	IR LON	CC T	1 FL	S	DATE	GMT	AL	AZ	SUN EL	OR
89	93	JAPAN	KYUSHU, SAKURA-JIMA, DARK	31.6N	m	29.8N 1	133.1E	0 [0	250	N	9910430	055405		256		30
88	94	BURMA	AREA N.OF YE	15.4N	97.4E 1	13.7N	99.0E	50 LO	250		9910430	085808		277	38	32
88	95	BURMA	MOUTH OF TOVOY RIVER	13.8N	98.3E 1	12.9N	99.6E	30 LO	250	Z	9910430	085823	3 137	277	37	32
83	96	PAKISTAN	KARACHI AREA, INDUS DELTA	24.8N	67.6E 2	24.0N	69.4E		250		9910430	102434	4 139			33
83	16	PAKISTAN	INDUS DELTA	24.0N	68.0E 2	23.4N	69.8E	10 LO	250		9910430	102444				33
83	86	INDIA		23.5N		22.8N	70.3E		250	N	9910430	102456				33
83	66	INDIA	GULF OF KUTCH AREA	22.9N	70.2E 2	22.2N	70.7E		250		9910430	102506				33
88	100	INDIA	PORBANDAR AREA	21.8N	69.8E	21.4N	71.3E	5 LO	250	N N	9910430	10252	۸.	268		33
83	101	INDIA	VERAVAL AREA	21.0N	70.5E 2	20.5N	71.9E	07 0	250		9910430	102537	7 138	269	43	33
88	102	INDIA	GULF OF KHAMBHAT AREA	21.6N	72.4E	19.8N	72.4E	0 0	250	Z	9910430	102551	_	270	43	33
89	103	INDIA	VALSAD AREA	20.7N	73.0E	19.3N	72.7E	5 LO	250		9910430	102600		271		33
83	104	INDIA	AREA AROUND TARAPUR				72.9E		250		9910430	102606	13	271	4	33
83	105	INDIA	A-A	19.2N	. OE	18.5N	73.2E		250	Z Z	9910430	10261				33
68	106	INDIA	MURUD AREA	18.2N	1E	17.8N	73.7E	30 LO	250		9910430	10262	7 133		41	33
89	107	INDIA	AREA SE OF PUNE		74.5E	15.9N	74.9E		250		9910430	102702	2 138	275	40	33
68	108	INDIA	MALVAN AREA	16.0N		15.4N	75.3E		250	N N	9910430	102711	_			33
83	109	INDIA	MANGALORE AREA	13.2N	74.9E	12.5N	77.0E	90 09	250		9910430	102802				33
83	110	INDIA	AREA SW.MYSORE	11.8N	76.4E	11.9N	77.4E		250		9910430	102814		278		33
89	111	INDIA	MTNS.N.OF COIMBATORE	11.4N	76.8E	11.4N	77.7E	0	250	-	9910430	10282	~	279	'n	33
83	112	INDIA	AREA AROUND TRICHUR	10.4N	76,4E	10.0N	78.6E	30 ГО	250	Z Z	9910430	10284	8 137	280	35	33
<u> </u>	13	ATONI	WIFICO CNECOS & SOS	0	78 SE	2.0	70 05	9	10 250 1	2	0010430	102900	137	280	د بر	33
3 6	3 :		STATE OF STATE OF STATE	•					9 6	1	0100				, ,	
20 0	+ 1 1	LIOIT		•	70.05	Z .	79.4E		007		9910430	1023.38				2 6
50	115	INDIA	Œ	•	/8.8E	. 4 . 4	/9.5E		250		9910430	102916			ب 4	
5	116	INDIA		•	78.2E	8. 0. 8.	79.7E		250	z	9910430	102923	_			
68	117	INDIA		•	77.7E	. 7N	79.9E		250		9910430	102929				33
68	118		IREA	•	79.8E	6.3N			250	Z Z	9910430	102953	_	282		33
89	119	SRI LANKA	AREA S.OF COLOMBO, CLDY	6.3N	80.0E	9.0N	80.9E		250		9910430	10295	_		32	33
68	120		GALLE AREA, CLOUDY	•	ö	5.7N			250	Z	9104	103004	-			33
83	121		AREA E.OF MATARA	•		•		0	250		2	103009			က	33
68	122	SRI LANKA	AREA AROUND TANGALLA	9 · 0N	81.0E	5.1N	81.4E	20 LO	250		9910430	10301	4 137	283		33
06	0 V	CANADA-N	STEPHENVILLE, DARK	48.0N	58.5W 4	49.2N	58.7W	07 0	0 250 1	N 1	9910429	113922	2 144	101	28	18
06		CANADA-N			8.5W	49.5N	58.1₩		250	Z	9910429	113927				18
90	7	CANADA - N	RODDICKTON AREA, DK FRAME	51.0N	96.0₩	51.7N	52.6W	10 LO	250		9910429	11403	1 145	107	31	18
90	က	HUNGARY	FRAME TOO DARK, CLOUDY		•	49.3N	21.0E		250	N N	9910429	115208	3 144	211		18
06	4	IRAQ	R AL	30.5N	47.5E 3	30.7N	45.4E		250		9910429	115851			4	18
90	2	IRAQ	AREA NEAR AL BASRAH, DARK		,	30.1N	45.8E		250	_	9910429	115902	2 140	260	44	18
06	9	IRAQ	AREA NEAR AL BASRAH, DARK			29.3N	46.5E		250	Z Z	9910429	115917	_			18
06	7	KUWAIT	FIRES, SMOKE, N. KUWAIT, DK.	30.0N	0E		47.3E		250	7 2 2	9910429	115938				18
06	80	KUWAIT		30.0N	. 0E	7	47.8E	070	250	 2	91042	115946			4	18
90	6	KUWAIT	SMOKE, N. KUWAIT, VRY DARK	30.0N	48.0E 2	27.5N	48.0E	0 0	0 250 N	Z	9910429	115952	2 140	264	43	18

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ā			11.10								[
וו	FR GEOGRAPHIC NAME	FEATURE	LAT LON	ON LAT LO	LON	CC 7L	FL E S	DATE	GMT	IT AL	AZ	SUMEL	OR
90	10 KUWAIT	SMOKE, KUWAIT CITY, VRY DK	29.5N	47.8E 27.3N	48.1E	0 10	250 N N	19910429	29 115954	54 140	264		18
90 1	11 KUWAIT	AIT CITY	29.0N 4	8.0E 26	48.5E	30 10	250 N N	19910429	29 120004	104 140	3 265		18
90 1	12 KUWAIT	DARK		26	49.0E		250 N N	19910429	29 120017	117 140	3 266	42	18
90 1	13 KUWAIT	FRAME TOO DARK		25.7N	49.4E	2	250 N N	19910429	29 120025	25 139	3 266	41	18
				25.4N	49.6E		Z	19910429	29 120031	•		41	18
	15 SAUDI ARABIA	ш		24.7N	50.1E		2	_					18
	16 SAUDI ARABIA	DARK FRAME, SAND DUNES		20.0N	53.4E	2	z	19910429	29 120210	10 139	3 273	37	18
90	17 SAUDI ARABIA	DARK FRAME, SAND DUNES		19.3N	53.9E			19910429	29 120223	23 139	3 273	37	18
90 1	18 SAUDI ARABIA	EXTREMELY DARK FRAMES			54.5E			19910429	29 120238		3 274	36	18
90 1	SAUDI	AMINA	17.9N 5	5.6E 16.	55.8E			19910429	29 12031	4			18
90	20 SAIIDT ARABTA	DK JABA! SAMHAN ARFA	17 ON 5	55 OF 16 1N	56 OF	20.10	250 N N	19910429	120320	138	3 276	3.4	2
		◂	32 3W	20 30 .		2	: 2	٠ –					9 6
		•	33.0N	3	103.5W	29	: z	•				, C	1 6
		FRAM		.0W 33.	102.6W	2	z						13
	24 USA-TX	DARK FRAME, AMARILLO AREA	35.2N	.7W 35.2N		2	Z	19910429	•		3 81		19
	25 USA-TX	DARK FRAME, TX-OK BORDER	36.0N	36.1N	100.4W	2		-	-				19
	26 USA-TX	DARK FRAME, TX-OK BORDER	37.0N 10	100.0W 36.8N	MZ . 66	2		19910429	29 130416	116 143	3 82	14	19
	27 CANADA-0	MICHIPICOTEN BAY		8.	83.0W	2	250 N N	19910429	29 130836	136 144			19
	28 CANADA-O	KAPUSKASING AREA	49.4N 8	82.3W 49.2N	81.4W	2	250 N N	19910429	29 130856	156 145			19
90 2	29 CANADA-O	COCHRANE AREA	49.3N 8	81.0W 49.5N	80.8W	07 0		1991042	29 130903	03 145	101	28	19
	0-8081187	And A LIKE STOLLOOUT	40 KN	40 AU	700	-		001001	420000	146	•	00	ç
		INCOUNTS FALLS AREA		. St MO.	•	3 .	2 :	•					n (
		LAKE ABITIBI AREA	8.	.8W 50.	79.3M	2	Z	-					13
		KE ABI		.0W 50	•	2	250 N N		-				19
		LAKE	0.2N	.1W 50	78.0W	2	Z						19
	34 CANADA-O		51.2N 7	.4W 51.	77.1W	2	250 N N	-	-				13
		ВАХ	52.0N 7	•	76.6W	2	Z	-	_				19
	36 CANADA-Q	, ICE		52.0N	74.6W		z	19910429					19
	37 CANADA-Q	•		52.1N	74.3W		250 N N	1991042	6				19
	38 CANADA-Q	GLACIATED TERRAIN		52.6N	72.9W	2	250 N N	1	29 131034	34 145			19
90 3	39 CANADA-Q	MISTASSINI, ALBANEL LAKES	51.3N 7	73.1W 53.2N	71.1W		250 N N	1991042	29 13105	53 145	112	33	19
90	40 FRANCE	RHONE R., MARSEILLE AREA	43.8N	4,7E 46.0N	4.6E	2 07 9	250 N N	19910429	29 132307	107 143	3 223	51	19
	41 FRANCE	~		9F 45	5.65	9		-					19
		AREA		35	6.0E	9	: Z						13
		CANNES AREA		0F 44	6.7F	9	Z	-	•	14			6
		GENOVA AREA	44.4N	. ZE	8.2E	2	2						19
		LA SPEZIA AREA	44.2N	.8E 43	9.1E	0	2	7					19
		ш	NG.	.3E 42		2		-	•	14			19
90		LIVORNO, PISA AREA	N	,5E		2	z	19910429		14			19
	48 ITALY	ELBA ISLAND	8 8.	.4E 42.		2	50	-	9 132	_	7	ည	19
90	49 ITALY	PIOMBINO AREA	43.2N 1	10.9E 42.0N	10.6E	07 09	250 N N	1991042	9 132	438 142	2 235	20	19

TABLE 4.3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

Recomplement Reco														1	
1747 CHONGENERO AREA 42.38 11.38 11.08 10.08 10.0	占	F.	GEOGRAPHIC NAME	FEATURE	CEN		DIR LON	1	н П	DATE	GMT	AL	5	یہ	S.
TIALY	8	50	ITALY	l٥	42.8N	۳	ł	2	z	19910429	132443	142	ļ	20	19
TIALY NORMA AREA 41.7M 12.7E 10 12.0D N 19910429 132604 42 237	90	51	ITALY	CCHIA	42.3N	41	11	2	z	19910429	132452	142		20	19
TALLY VASTO AREA 41.5 M 12.8 G of 00 m 12.1 E 00 L0 250 N N 19910429 13250 14.2 24	96	52	ITALY		42.0N			2	z	19910429	132457	142		20	19
TALLY VASTO AREA 41.5N 15.45 93 7N 13.55 60 LO 250 N N 19910429 132520 142 242 243 244	06	53	ITALY	ANZIO AREA	41.7N		12	2	z	19910429	132504	142		20	19
THALY FORGER AREA 41.7N 13.6E 60 10.250 N N 19910429 132521 442 241	96	54	ITALY	VASTO AREA	41.9N		13	2	z	19910429	132520	142		20	19
56 ITALY ROBORTA AREA 41.5N 13.68 40.0 N 13.68 40.0 N 19910429 132540 142 243 549 1141.Y AMORTA AREA 40.7N 17.3E 39.1N 14.2E 50 LO 250 N N 19910429 132540 142 243 51 ITALY AMORTA AREA 40.7N 17.3E 39.1N 14.2E 50 LO 250 N N 19910429 132540 142 243 51 ITALY REAGINO D CALABRIA AREA 39.1N 15.6E 70 LO 250 N N 19910429 132711 141 224 541 141 224 51 ITALY GEORGE CONTRACTOR 39.1N 15.6E 70 LO 250 N N 19910429 132711 141 224 51 ITALY GEORGE CONTRACTOR 39.1N 15.6E 70 LO 250 N N 19910429 132711 141 224 51 ITALY GEORGE CONTRACTOR 39.1N 15.9E 70 LO 250 N N 19910429 132711 141 224 51 ITALY GEORGE CONTRACTOR 30.1N 15.9E 70 LO 250 N N 19910429 132711 141 224 51 ITALY GEORGE CONTRACTOR 30.1N 15.9E 70 LO 250 N N 19910429 132711 141 224 51 ITALY GEORGE CONTRACTOR 30.1N 15.9E 70 LO 250 N N 19910429 132711 141 224 51 ITALY GEORGE CONTRACTOR 30.1N 15.9E 70 LO 250 N N 19910429 13371 141 224 51 ITALY GEORGE CONTRACTOR 30.1N 15.9E 70 LO 250 N N 19910429 133726 133 274 141 224 51 ITALY STATE RIVER STATE	90	55	ITALY		41.7N	. 4E	13	07	z	19910429	132527	142		20	19
5 11ALY MARTINA FRANCA AREA 41.2N 14.6E 38.1N 15.0E 30.0 250 N N 19910429 132640 142 244 60 11ALY FRANTO AREA 40.6N 17.3E 38.7N 14.6E 30.0 10 250 N N 19910429 132659 142 244 61 LIBYA GULF OF SIDRA, PANDRAMA 31.0N 20.0E 37.7N 15.0E 70.0 250 N N 19910429 132659 142 244 62 LIBYA GULF OF SIDRA, PANDRAMA 31.0N 20.0E 37.8N 19.0E 0.0 250 N N 19910429 132659 142 245 63 SUDAN WILE RIVER S. MADI HALFA NILE RIVER 21.6N 31.0E 19.0E 30.0E N N 19910429 132726 143 25 64 SUDAN NILE RIVER 21.6N 31.0E 19.0E 30.0E 31.2D 32.71 141 282 65 SUDAN NILE RIVER 21.6N 31.0E 19.0E 30.0E 30.0E N 19910429 132726 143 27 66 SUDAN NILE RIVER 21.6N 31.0E 19.0E 30.0E 30.0E N 19910429 132726 139 27 67 SUDAN NILE RIVER 21.6N 31.0E 19.0E 30.0E 30.0E N 19910429 132326 139 27 68 SUDAN NILE RIVER 31.4N 30.8E 18.2N 31.4E 10.0E 30.0E N 19910429 133236 139 27 69 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133236 139 27 60 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133236 139 27 61 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133326 139 27 62 LIHODIA ANTIRA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133326 139 27 63 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133336 139 27 64 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133336 139 27 65 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133336 139 27 67 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133344 138 27 67 SUDAN HALPA NILE RIVER 16.5N 31.4E 10.0E 30.0E N 19910429 133344 138 28 68 SUDAN HALPA NILE RIVER 11.0N 37.3E 10.0N 36.5E 10.0E 30.0E N 19910429 133344 138 28 68 SUDAN HALPA NILE S. KHARTON 14.0N 36.5E 10.0E 30.0E N 19910429 133344 138 28 68 SUDAN HALPA NILE S. KHARTON 14.0N 41.0E 4.1N 40.5E 20.0E 30.0E N 19910429 133341 138 28 68 SUDAN HADAGASCAR LOW SUN, SHODONS, MERRA 11.2S 50.0E 10.0E 30.0 N 19910429 133351 138 28 68 SUDAN HADAGASCAR LOW SUN, SHODONS, MERRA 11.2S 50.1E 10.0E 30.0E 10.	96	99	ITALY	FOGGIA AREA	41.5N	39	13	2	z	19910429	132533	142		49	19
Fig. Thaty MARTINA FRANCA AREA 40.7N 17.3E 33.7N 14.6E 30 10.250 N N 19910429 122567 142 243 174 174 174 174 174 174 174 174 174 174 174 174 175 174 174 174 174 175 174 174 174 175 174 174 174 175 174 174 175 175	90	57	ITALY	ANDRIA AREA	41.2N	39		2	z	19910429	132540	142		49	19
Fig. Tally Taranto Area 40.6n 17.6E 38.1N 15.9E 50 10 250 N N 19910429 122659 142 244 252 245 24	06	58	ITALY	FRANCA	40.7N	38		2	Z	19910429	132547	142		49	19
60 1TALY 60 1TALY 61 CLIBYA 61 CLIBYA 61 CLIBYA 62 CLIBYA 63 SUDAN 62 LIBYA 63 SUDAN 63 SUDAN 64 SUDAN 65 SUDAN 65 SUDAN 66 SUDAN 66 SUDAN 66 SUDAN 66 SUDAN 66 SUDAN 67 SUDAN 68 SUDAN 68 SUDAN 68 SUDAN 68 SUDAN 68 SUDAN 69 SUDAN 60 SERIELD PATTERNS, S. KARRIOM 69 SUDAN 69 SUDAN 69 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 69 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 69 SUDAN 69 SUDAN 69 SUDAN 69 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SUDAN 60 SERVICED PATTERNS, S. KARRIOM 60 SERVIC	06	ۍ 6	ITALY		40.6N	38	15.	10 2	_	19910429	132559	142		49	19
61 LIBYA GULF OF SIDRA, PANORAMA 31.0N C. 33.8N 19.8E 60 LO 250 N N 19910429 1332751 141 252 553 50.0AN N 1910429 133275 141 253 553 50.0AN N 1910429 133275 141 253 554 555 50.0AN N 1910429 133275 141 253 555 555 50.0AN N 1910429 133232 143 274 141 253 20.0AN N 18 RIVER RIVER S. WADI HALFA MILE RIVER S. WADI HALFA MILE RIVER S. WADI HALFA MILE RIVER S. SADAN N 18 C. C. C. C. C. C. C. C. C. C. C. C. C.	06	9	ITALY	DI CALABRIA	38.1N	.9E 37	15	L0 2	Z	19910429	132608	142	245	49	19
62 LIBYA GULF OF SIDRA,PANDRAMA 31 ON 20 0E 33.8N 19.8E 60 LO 250 N N 19910429 133129 139 273 COMMINION HALFA LYN 31 ON 26 LO 250 N N 19910429 133129 139 273 COMMINION HALFA 21.4N 31 ON 26 LO 250 N N 19910429 133129 139 274 COMMINION HALFA 21.4N 31 ON 26 LO 250 N N 19910429 133129 139 274 COMMINION HALFA 21.4N 31 STE 15.8N 31.8E OL 10.250 N N 19910429 133125 139 275 COMMINION HALFA 21.4N 31 STE 15.8N 31.8E OL 10.250 N N 19910429 133125 139 275 COMMINION HALFA 21.4N 31 STE 15.8N 31.8E OL 10.250 N N 19910429 133132 138 275 COMMINION HALFA 21.4N 31 STE 15.8N 31.8E OL 10.250 N N 19910429 133132 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 133132 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 13332 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 13332 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 13332 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 13332 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 13332 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 13332 138 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 133340 138 28 275 COMMINION HALFA 21.4N 31.8E OL 10.250 N N 19910429 133340 138 28 28 28 28 28 28 28 28 28 28 28 28 28	90	61	LIBYA	OF SIDRA, PANOR		34	19	2	2	19910429	132711	141		47	19
63 SUDAN NILE RIVER, S. WADI HALFA, NILE RIVER 54 SUDAN NILE RIVER, S. WADI HALFA, NILE RIVER 55 SUDAN NILE RIVER, S. WADI HALFA, NILE RIVER 56 SUDAN NILE RIVER, S. WADI HALFA, NILE RIVER 57 SUDAN NILE RIVER, S. WADI HALFA, NILE RIVER 58 SUDAN NILE RIVER, S. WADI HALFA, NILE RIVER 58 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 10 SUDAN NILE RIVER 11 SUDAN NILE RIVER 12 SUDAN 14 SUDAN 15 SUDAN 15 SUDAN 16 SUDAN NILE RIVER 16 SUDAN NILE RIVER 17 SUDAN 17 SUDAN 18 SUDAN	06	62	LIBYA	9	31.0N		19	2	z	19910429	132726	141	က	47	19
64 SUDAN NILE RIVER 65 SUDAN NILE RIVER 66 SUDAN NILE RIVER 67 SUDAN NILE RIVER 68 SUDAN NILE RIVER NILE RIVER 69 SUDAN NILE RIVER NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NILE RIVER 69 SUDAN NO ID FATTERNIS, S. KHARTOM 14.0N 34.0E 14.5N 33.4E 0.10 250 N N 19910429 13325 133 275 71 ETHIOPIA 71 SUDAN NO ID FATTERNIS, S. KHARTOM 14.0N 34.0E 14.5N 34.3E 0.10 250 N N 19910429 13336 138 276 73 ETHIOPIA 74 SEMTA 75 ETHIOPIA NO ID FATURES 75 ETHIOPIA 16. NO ID FATTERNIS, S. KHARTOM 17. NO ID FATTERNIS S. KHARTOM 17. NO ID FATTERNIS S. KHARTOM 17. NO ID FATTERNIS S. KHARTOM 18. NO ID FATTERNIS S. KHARTOM 19. NO ID FATTERNIS S. KHARTOM 19. NO ID FATTERNIS S. KHARTOM 10. NO ID FATTERNIS S. NO ID FATTERNIS S. SO ID FATTERNIS S. SO ID IL 19S 49.6E 10. C. SOO IN ID FATTERNIS S. SO ID FATTERNIS S. SO ID FATTERNIS S. SOO IN ID FATTERNIS S. SOO ID FATTERNIS S. SOO I	90	63	SUDAN	HAL	21.6N	19.		2	z	19910429	133159	139		37	19
66 SUDAN NILE RTVER 17.9N 32.1E 0 LO 250 N N 19910429 133225 139 275 66 SUDAN LONGTIDUIAL DUNES 17.9N 32.1E 0 LO 250 N N 19910429 133225 139 275 66 SUDAN LONGTIDUIAL DUNES 16.3N 33.1E 0 LO 250 N N 19910429 133225 138 276 69 SUDAN FIELD PATTERNS, S.KHARTOM 4.0E 14.5N 34.3E 0 LO 250 N N 19910429 133325 138 276 70 SUDAN FIELD PATTERNS, S.KHARTOM 4.0E 4.5N 34.3E 0 LO 250 N N 19910429 133322 138 276 71 ETHIOPIA FIELD PATTERNS, S.KHARTOM 4.0E 4.0E 10.250 N N 19910429 133321 138 279 72 ETHIOPIA LAKE TANA 12.0N 37.8E 10.250 N N 19910429 133326 138 279 75 ETHIOPIA LAKE TANA 12.0N 37.8E 9.7N 37.2E 0 LO 250 N N 19910429 133462 138 279 76 ETHIOPIA LAKE TANA 12.0N	90	64	SUDAN	Z.	21.4N	.8E 18.	31	0	z	19910429	133219	139		36	19
66 SUDAN LONGITUDINAL DUNES 67 SUDAN LONGITUDINAL DUNES 68 SUDAN MADI AMATIE RIVER 69 SUDAN MADI AMATIE RIVER 10 SUDAN FIELD PATTERNS, S.KHARTOM 14,0N 34,0E 14,1N 34,5E 0 LO 250 N N 19910429 133223 138 276 TETHIOPIA NO 1D FATURES, S.KHARTOM 14,0N 34,0E 14,1N 34,5E 0 LO 250 N N 19910429 133322 138 279 TETHIOPIA NO 1D FATURES, S.KHARTOM 14,0N 34,0E 14,1N 34,5E 0 LO 250 N N 19910429 133321 138 279 TETHIOPIA LAKE TANA LON 37,3E 10,9N 35,5E 10 LO 250 N N 19910429 133342 138 279 TETHIOPIA LOR SUDAN NO 1D FATURES, S.KHARTOM 14,0N 34,0E 14,1N 34,5E 0 LO 250 N N 19910429 133342 138 279 TETHIOPIA LAKE TANA LAKE TANA LAKE TANA LON 37,3E 10,9N 35,5E 10 LO 250 N N 19910429 133440 138 280 TETHIOPIA LOR SUDAN NO 1D FATURES, S.KHARTOM 14,0N 34,0E 14,1N 34,5E 0 LO 250 N N 19910429 133440 138 280 TETHIOPIA LAKE TANA LON 37,3E 10,9N 37,5E 10,0 250 N N 19910429 133440 138 280 TETHIOPIA CEBRE ZEYT, UNNAMED LAKE B. N 37,2E 0 LO 250 N N 19910429 13350 138 280 TETHIOPIA DEBRE ZEYT, UNNAMED LAKE B. N 37,2E 0 LO 250 N N 19910429 13350 138 280 TETHIOPIA DEBRE ZEYT, UNNAMED LAKE B. N 37,2E 0 LO 250 N N 19910429 13350 138 280 TETHIOPIA DEBRE ZEYT, UNNAMED LAKE B. N 37,2E 0 LO 250 N N 19910429 13350 138 280 TETHIOPIA DEBRE ZEYT, UNNAMED LAKE B. N 37,2E 0 LO 250 N N 19910429 133750 138 280 TETHIOPIA DEBRE ZEYT, UNNAMED LAKE B. N 37,2E 0 LO 250 N N 19910429 133750 138 280 TETHIOPIA DUN SUN, SHADONS, ME AREA LON SUN, SHADONS, ME AREA LON SUN, SHADONS, ME AREA LON SUN, SHADONS, ME AREA B. N 30,2E 0 LO 250 N N 19910429 134141 138 SPAIN SAN ERNADONS, NE AREA SPAIN SPAIN SPAIN SPAIN SAN ERNADONS, NE AREA SPAIN SPAIN SPAIN SAN ERNADONS, NE AREA SPAIN SPAIN SPAIN SPAIN SAN ERNADONS, NE AREA SPAIN SPAIN SPAIN SPAIN SPAIN SAN ERNADONS, NE AREA SPAIN SPAIN SPAIN SPAIN SAN ERNADONS, NE AREA SPAIN SPAIN SPAIN SPAIN SPAIN SPAIN SPAIN	96	65	SUDAN			17.9N	32	L0 2	z	19910429	133225	139		36	19
67 SUDAN LONGITUDIANIAL DUNES 68 SUDAN WADDI AMATTERNIS, S.KHARTOM 14.0N 33.1E 15.8N 33.4E 0 LO 250 N N 19910429 133355 138 276 69 SUDAN WADDI AMATTERNIS, S.KHARTOM 14.0N 34.0E 14.5N 34.2E 0 LO 250 N N 19910429 133322 138 276 71 ETHIOPIA NO DE FATURES LAKE TAMA LAKE TAMA LAKE TAMA LAKE TAMA LAKE TAMA LAKE TAMA TEHIOPIA NUGED MOUNTAINOUS AREA NUGGED MOUNTAINOUS AREA SOMALIA JUBA RIVER SOMALIA JUBA RIVER RAMA GASCAR LOW SUN, SHADONES, NE AREA 12.0N 37.6E 0.1N SOMALIA JUBA RIVER NADGASCAR LOW SUN, SHADONES, NE AREA 12.0N 37.6E 0.1N 13.0N 14.0E 13.1N 14.0F 67 10 C 250 N N 19910429 133342 138 TO C 250 N N 19910429 133340 138 TO C 250 N N 19910429 133350 138 TO C 250 N N 19910429 133550 138 TO C 250 N N 19910429 133751 138 TO C 250 N N 19910429 133	80	99	SUDAN	NILE RIVER		17.4N	32	2	Z	19910429	133233	153		36	19
68 SUDAN MADI AMATIB NILE RIVER 16.5N 33.1E 15.8N 33.4E 0 L0 250 N N 19910429 133302 138 275 59 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.5N 34.3E 0 L0 250 N N 19910429 133302 138 277 51 ETHIOPIA BORDER AREA WITH SUDAN 12.0N 34.0E 14.1N 34.5E 0 L0 250 N N 19910429 133332 138 279 52 ETHIOPIA LAKE TANA 12.0N 37.3E 10.3N 36.5E 10 L0 250 N N 19910429 133343 138 279 53 ETHIOPIA LAKE TANA 12.0N 37.1E 10.1N 36.9E 0 L0 250 N N 19910429 133340 138 280 54 ETHIOPIA LAKE TANA 12.0N 37.1E 10.1N 36.9E 0 L0 250 N N 19910429 133450 138 280 55 ETHIOPIA LAKE TANA 12.0N 37.1E 10.1N 36.9E 0 L0 250 N N 19910429 133451 138 280 56 ETHIOPIA LAKE TANA 12.0N 37.1E 10.1N 36.9E 0 L0 250 N N 19910429 133510 138 280 57 SKENYA CHIOPIA LAKE ANA BARBA HILLS 3.0N 37.8E 10.3N 37.8E 10.30 N 19910429 133510 138 281 58 SOMALIA DUBA RIVER 1.0N 47.0E 3.1N 47.1E 30 L0 250 N N 19910429 133561 138 285 58 SOMALIA DUBA RIVER 1.0N 42.5E 11.1N 42.2E 70 L0 250 N N 19910429 133749 138 285 58 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.0S 49.6E 11.7S 49.6E 70 L0 250 N N 19910429 133749 138 287 58 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.2S 49.6E 11.7S 49.6E 70 L0 250 N N 19910429 13416 138 287 58 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.7S 50.0E 11.5S 49.6E 11.7S 49.6E 70 L0 250 N N 19910429 13416 138 287 58 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.7S 50.0E 11.5S 50.2E 50.0E 50.0E 11.0S 50.0E 11.5S 50.2E 50.0E 50.0E 11.5S 50.2E 50.0E 50.0E 11.5S 50.2E 50.0E 50.0E 11.5S 50.2E 50.0E 50.0E 11.5S 50.2E 50.0E 50.0E 11.2S 50.0E 11.2	90	67	SUDAN	LONGITUDINAL DUNES		16.31	33	2	z	19910429	133253	138		35	19
FIELD PATTERNS, S. KHARTOM 14, ON 34, OE 14, IN 34, SE 0 LO 250 N N 19910429 133326 138 277 ETHIOPIA BORDER AREA WITH SUDAM. ETHIOPIA LAKE TANA LAKE AND AGASCARA LOW SUN, SHADOWS, NE. ARE A 13,05 SOMALIA LAKE AND AGASCARA LOW SUN, SHADOWS, NE. AREA LAKE A 13,05 SOMALIA LAKE AND AGASCARA LOW SUN, SHADOWS, NE. AREA LAKE A 13,05 SOME LAKE A 10,05 SOME L	96	68	SUDAN		16.5N	.1E 15.	33	2	z	19910429	133302	138		34	13
70 SUDAN FIELD PATTERNS, S. KHARTOM 14, 0N 34, 0E 14, 1N 34, 5E 0 C 250 N N 19910429 13332 13 278 71 ETHIOPIA NO ID FEATURES 12, 9N 37, 5E 10, 02 56 N N 19910429 13334 13 79 74 ETHIOPIA LAKE TANA 12, 0N 37, 3E 10, 9N 36, 6E 10, 02 56 N N 19910429 133444 138 279 74 ETHIOPIA LAKE TANA 11, 8N 37, 1E 10, 1N 36, 6E 20, 02 50 N N 19910429 133444 138 281 76 ETHIOPIA REMECATURES 12, 0N 37, 5E 9, 7N 37, 2E 60, LO 250 N N 19910429 133444 138 281 76 ETHIOPIA DEBRE ZEYT UNNAMED LAKE 8, 5N 30, E 6, LO 250 N N 19910429 133442 138 281 78 KENYA GENERAL AREA BAMBA HILLS 30, N 40, 6E 30, N 37, 6E 30, C 50, N <th>90</th> <td>69</td> <td>SUDAN</td> <td></td> <td>14.0N</td> <td>.0E 14.</td> <td>34.</td> <td>7</td> <td>z</td> <td>19910429</td> <td>133326</td> <td>138</td> <td></td> <td>33</td> <td>19</td>	90	69	SUDAN		14.0N	.0E 14.	34.	7	z	19910429	133326	138		33	19
Third piace Border Area with Suday 12.04 35.2E 10 LO 250 N N 19910429 13354 138 279	06	70	SUDAN			.0E 1	34.5	L0 2	z	19910429	133332	138		33	19
THIOPIA IN 19910429 133404 138 279 LAKE TANA	06	17	FTHIOPIA					10 2	Z	19910429	133354	138		32	19
THIOPIA LAKE TANA 12.0N 37.3E 10.9N 86.5E 10 LO 250 N N 19910429 133430 138 280 LAKE TANA LAKE T	8 8	72	FTHTOPTA	ATHRES		12. 4N		2	z	19910429	133404	138		-	6
74 ETHIOPIA LAKE TANA 11.8N 37.1E 10.1N 36.9E 20 LO 250 N 19910429 133444 138 281 75 ETHIOPIA LAKE TANA 12.0N 37.6E 9.7N 37.2E 60 LO 250 N 19910429 133452 138 281 76 ETHIOPIA DEBRE ZEYT,UNNAMED LAKE 8.5N 37.6E 9.7N 37.2E 60 LO 250 N 19910429 133452 138 281 78 KENYA DAWA WENZ, W.OF MANDERA 4.0N 41.0E 4.1N 40.5E 0 250 N 19910429 133452 138 281 80 SOMALIA BARAAWE AREA ARABA HILLS 3.0N 41.0E 4.1N 40.5E 30 LO 250 N 19910429 133725 138 285 80 SOMALIA BARAWE AREA ARABA BARAWE AREA 1.0N 42.6E 1.1N 42.6E 70	06	73	ETHIOPIA		12.0N	.3E 10	36	707	z	19910429	133430	138		30	61
THIOPIA LAKE TANA 12. 0N 37. 6E 9.7N 37. 2E 60 LO 250 N N 19910429 133452 138 281 13. 0N 100 LOL 250 N N 19910429 133510 138 281 14. 0N 100 LOL 250 N N 19910429 133510 138 281 15. 0N 10 LOL 250 N N 19910429 133510 138 281 15. 0N 10 LOL 250 N N 19910429 133530 138 282 15. 0N 10 LOL 250 N N 19910429 133530 138 283 15. 0N 10 LOL 250 N N 19910429 133530 138 283 15. 0N 10 LOL 250 N N 19910429 133530 138 283 15. 0N 10 LOL 250 N N 19910429 133725 138 285 15. 0N 10 LOL 250 N N 19910429 133725 138 285 15. 0N 10 LOL 250 N N 19910429 133735 138 285 15. 0N 10 LOL 250 N N 19910429 133735 138 285 15. 0N 10 LOL 250 N N 19910429 133735 138 285 15. 0N 10 LOL 250 N N 19910429 133735 138 285 15. 0N 10 LOL 250 N N 19910429 133735 138 285 15. 0N 10 LOL 250 N N 19910429 133735 138 287 15. 0N 10 LOL 250 N N 19910429 133735 138 287 15. 0N 10 LOL 250 N N 19910429 133735 138 287 15. 0N 10 LOL 250 N N 19910429 133735 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134118 138 287 15. 0N 10 LOL 250 N N 19910429 134128 138 287 15. 0N 10 LOL 250 N N 19910429 134128 138 287 15. 0N 10 LOL 250 N N 19910429 134128 138 287 15. 0N 10 LOL 250 N N 19910429 134128 138 287 15. 0N 10 LOL 250 N N 19910429 134128 138 287 15. 0N 10 LOL 250 N N 19910429 134155 138 287 15. 0N 10 LOL 250 N N 19910429 134128 138 287 15. 0N 10 LOL 250 N N 19910429 134155 138 287 15. 0N 10 LOL 250 N N 19910429 134155 138 287 15. 0N 10 LOL 250 N N 19910429 134155 138 287 15. 0N 10 LOL 250 N N 19910429 145615 141 248 15. 0N 10 LOL 250 N N 19910429 145615 141 248	06	74	ETHIOPIA	TAN	11.8N	-		2	z	19910429	133444	138		30	19
76 ETHIOPIA RUGGED MOUNTAINOUS AREA 8.7N 37.8E 50 LO 250 N 19910429 133510 138 281 77 ETHIOPIA DEBRE ZEYT,UNNAMED LAKE 8.5N 39.0E 7.6N 38.5E 0 LO 250 N 19910429 133531 138 282 78 KENYA GENERAL AREA 8.5N 39.0E 7.6N 38.5E 0 LO 250 N 19910429 133531 138 283 80 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.2E 7 LO 250 N 19910429 133650 138 285 81 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.6E 7 LO 250 N 19910429 133525 138 285 82 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.6E 7 LO 250 N N	90	75	ETHIOPIA	TAN	12.0N	6	37	P0	z	19910429	133452	138		59	19
77 ETHIOPIA DEBRE ZEYT, UNNAMED LAKE 8.5N 39.0E 7.6N 38.5E 0 LO 250 N N 19910429 133530 138 282 78 KENYA DAWA WENZ, W.OF MANDERA 4.0N 41.0E 4.1N 40.5E 30 LO 250 N N 19910429 133631 138 283 80 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.2E 70 LO 250 N N 19910429 133725 138 285 81 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.2E 70 LO 250 N N 19910429 133725 138 285 82 SOMALIA JUBA RIVER 1.0N 42.5E .5N 40.0E 250 N N 19910429 133725 138 285 83 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.2S 49.9E 11.7S 49.7E 20 250 N N 19910429	90	91	ETHIOPIA	OUNTAINOUS		8.7k	37	2	Z	19910429	133510	138		28	19
78 KENYA DAWA WENZ,W.OF MANDERA 4.0N 41.0E 4.1N 40.5E 30 LO 250 N 19910429 133631 138 283 79 KENYA GENERAL AREA BAMBA HILLS 3.0N 41.0E 3.1N 41.1E 30 LO 250 N 19910429 133725 138 284 80 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.2E 70 LO 250 N 19910429 133725 138 285 81 SOMALIA BARAME AREA 1.0N 42.5E 1.1N 42.6E 70 LO 250 N 19910429 133725 138 285 82 SOMALIA BARAME AREA 1.0N 42.0E .5N 40.0E 70 LO 250 N N 19910429 133725 138 285 83 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.2S 49.9E 11.7S 49.7E 20 LO	90	11	ETHIOPIA	YT, UNNAMED	8.5N	7 30.	38	2	z	19910429	133530	138		27	19
79 KENYA GENERAL AREA BAMBA HILLS 3.0N 41.0E 3.1N 41.1E 30 LO 250 N 19910429 133525 138 284 80 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.2E 70 LO 250 N 19910429 133725 138 285 81 SOMALIA JUBA RIVER 1.0N 42.5E .5N 42.6E 70 LO 250 N 19910429 133725 138 285 82 SOMALIA BARAAWE AREA 1.0N 44.0E .2S 40 LO 250 N 19910429 133725 138 285 83 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.2S 49.6E 11.7S 49.7E 20 LO 250 N 19910429 134118 138 287 86 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.7S 50.1E 12.5S 50.2E 50 N 19910429	90	78	KENYA		4.0N	4	40.5	L0 2	2	19910429	133631	138	<u>ش</u>	24	19
80 SOMALIA JUBA RIVER 1.0N 42.5E 1.1N 42.2E 70 LO 250 N 19910429 133725 138 285 81 SOMALIA JUBA RIVER 1.0N 42.5E .5N 42.6E 70 LO 250 N 19910429 133735 138 285 82 SOMALIA BARAAWE AREA 1.0N 44.0E .2S 43.0E 40 LO 250 N 19910429 133749 138 285 83 MADAGASCAR LOW SUN,SHADOWS, NE,AREA 13.0S 49.6E 11.4S 49.7E 20 LO 250 N 19910429 134118 138 287 84 MADAGASCAR LOW SUN,SHADOWS, NE,AREA 13.7S 50.0E 11.9S 49.7E 20 LO 250 N 19910429 134118 138 287 86 MADAGASCAR LOW SUN,SHADOWS, NE,AREA 14.2S 50.0E 11.9S 49.6E	06	79	KENYA	AREA BAMBA HILL	3.0N	.0E 3.	41	ro 5	z	19910429	133650	138	4	24	19
81 SOMALIA JUBA RIVER 1.0N 42.5E .5N 42.6E 70 LO 250 N 19910429 133736 138 285 82 SOMALIA BARAAWE AREA 1.0N 44.0E .2S 43.0E 40 LO 250 N 19910429 133749 138 285 83 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.2S 49.9E 11.7S 49.7E 20 LO 250 N N 19910429 134114 138 287 85 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.7S 50.0E 11.9S 49.8E 40 LO 250 N N 19910429 134112 138 287 86 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 14.2S 50.1E 12.5S 50.2E 50 LO 250 N N 19910429 134128 138 287 8 MADAGASCAR LOW SUN, SHADOWS, NE.	06	80	SOMALIA	JUBA RIVER	1.0N	-	42.	2	z	19910429	133725	138		22	19
82 SOMALIA BARAAWE AREA 1.0N 44.0E .2S 43.0E 40 LO 250 N N 19910429 133749 138 285 83 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.0S 49.6E 11.4S 49.5E 20 LO 250 N N 19910429 134108 138 287 85 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.7S 50.0E 11.9S 49.8E 40 LO 250 N N 19910429 134118 138 287 86 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.7S 50.0E 11.9S 49.8E 40 LO 250 N N 19910429 134128 138 287 87 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 15.0S 50.2E 50.2E 50 LO 250 N N 19910429 134128 138 287 88 SPAIN AREA JUST N.OF ROT 37.0N 6.0W 36.2N 5.3W	<u>6</u>	81	SOMALIA	Z.	1.0N	•	42.	2	z	19910429	133736	138			19
83 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.0S 49.6E 11.4S 49.5E 20 LO 250 N 19910429 134108 138 287 84 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.2S 49.9E 11.7S 49.7E 20 LO 250 N 19910429 134114 138 287 86 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 14.2S 50.0E 11.9S 49.8E 40 LO 250 N N 19910429 134118 138 287 87 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 15.0S 50.2E 50.2E 50 N N 19910429 134155 138 287 88 SPAIN AREA JUST N.OF ROTA 37.0N 6.0W 36.5N 5.6W 10 LO 250 N N 19910429 145609 141 248 89 SPAIN SPAIN SPAIN 6.2W 36.2N 5.3W 5.0 10 250 <th>90</th> <th>82</th> <th>SOMALIA</th> <th></th> <th>1.0N</th> <th>•</th> <th></th> <th>2</th> <th>z</th> <th>19910429</th> <th>133749</th> <th>138</th> <th></th> <th></th> <th>19</th>	90	82	SOMALIA		1.0N	•		2	z	19910429	133749	138			19
84 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 13.2S 49.9E 11.7S 49.7E 20 LO 250 N 19910429 134114 138 287 85 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 14.2S 50.0E 11.9S 49.8E 40 LO 250 N N 19910429 134118 138 287 87 MADAGASCAR LOW SUN, SHADOWS, NE.AREA 15.0S 50.1E 12.5S 50.2E 50 N N 19910429 134128 138 287 88 SPAIN AREA JUST N.OF ROTA 37.0N 6.0W 36.5N 5.6W 10 250 N N 19910429 145609 141 248 89 SPAIN SPAIN SAN FERNANDO, ROTA AREA 36.8N 6.2W 36.2N 5.3W 20 LO 250 N N 19910429 145609 141 248	06	83	MADAGASCAR	SUN,		11		2	z	19910429	134108	138			19
85 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 13.75 50.0E 11.95 49.8E 40 LO 250 N 19910429 134118 138 287 86 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 15.0S 50.1E 12.5S 50.2E 50 N N 19910429 134128 138 287 89 SPAIN AREA JUST N.OF ROTA 37.0N 6.0W 36.5N 5.6W 10 250 N N 19910429 145609 141 248 89 SPAIN SAN FERNANDO, ROTA AREA 36.8N 6.2W 36.2N 5.3W 20 LO 250 N N 19910429 145615 141 248	90	84	MADAGASCAR	SUN,		Ξ		2	z	19910429	134114	138		10	19
86 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 14.25 50.1E 12.55 50.2E 50.0 DO 250 N N 19910429 134128 138 287 87 MADAGASCAR LOW SUN, SHADOWS, NE. AREA 15.0S 50.5E 14.0S 51.1E 70 LO 250 N N 19910429 134155 138 287 89 SPAIN SAN FERNANDO, ROTA AREA 36.8N 6.2W 36.2N 5.3W 20 LO 250 N N 19910429 145615 141 248	06	85	MADAGASCAR	SUN,	13.75	11		2	z	19910429	134118	138		10	19
87 MADAGASCAR LOW SUN,SHADOWS,NE.AREA 15.0S 50.5E 14.0S 51.1E 70 LO 250 N N 19910429 134155 138 287 88 SPAIN AREA JUST N.OF ROTA 37.0N 6.0W 36.5N 5.6W 10 LO 250 N N 19910429 145609 141 248 89 SPAIN SAN FERNANDO,ROTA AREA 36.8N 6.2W 36.2N 5.3W 20 LO 250 N N 19910429 145615 141 248	06	86	MADAGASCAR	SUN,	14.25	12		2	z	19910429	134128	138	287	on.	19
88 SPAIN AREA JUST N.OF ROTA 37.0N 6.0W 36.5N 5.6W 10 LO 250 N N 19910429 145609 141 248 89 SPAIN SAN FERNANDO,ROTA AREA 36.8N 6.2W 36.2N 5.3W 20 LO 250 N N 19910429 145615 141 248	06	87	MADAGASCAR	SUN,	15.05	0.5E 14		2	z	19910429	134155	138			19
89 SPAIN SAN FERNANDO, ROIA AREA 36.8N 6.2W 36.2N 5.3W 20 LO 250 N N 19910429 145615 141 248	06	88	SPAIN	A JUST N.OF ROT	37.0N	.0W 36	κ'n ι	2	2 :	19910429	145609	141			20
	90	89	SPAIN	FERNANDO, ROIA		. 2W 36.	ام	[2	2	19910429	145615	141		- 1	2

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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F	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LO	LON N	CC 7L	٦ 3	S DATE		GMT	ALA	AZ SUN	ا 0
6	90	SPAIN	5	36.0N	۱۳,	35.7N	4.8W		z	N 19910429		145625 1	141 2		
90	91	SPAIN	STRAIT OF GILBRALTAR	36.0N	5.5W 3	5.3N	4 . 4W		Z				141 2	-	48 20
96	35	SPAIN	STRAIT OF GILBRALTAR	36.0N		34.6N	3.8W	20 LO		N 19910429			141 2		
96	93	MOROCCO	BERGUEN AREA	34.0N	2.0W 3	33.6N	2.8W		z	-			141 2		47 20
90	94	MOROCCO	BERGUEN AREA	34.0N		3.2N	2.4W		Z	-		145714 1	141 2		
90	98	MOROCCO	BERGUEN AREA	34.0N		32.6N	1.9W	5 6		-		145725 1	141 2		46 20
90	96	ALGERIA	OASIS, AIRPORT		~	28.6N	1.6E		z	-		145842 1			
90	97	ALGERIA	OASIS, AIRPORT		7	28.1N	2.0E		z	N 19910429					
06	86	ALGERIA	SMALL DUNES		2	26.7N	3.1E		z	_					
06	66	ZAIRE	UNIDENTIFIED RIVER			2.4N 1	.8.7E	10 LO	250 N	N 19910429		150638 1	138 2	284 2	23 20
06	100	ZAIRE	UNIDENTIFIED RIVER			1.9N	9.0E	10 LO				150647 1			
ე6	101	CANADA-A	N.END MCNAUGHTON LAKE	52.5N 1	118.8W 5	52.8N 11	117.8W	40 LO	250 N	N 19910429		160951 1	145 1	110 3	32 21
06	102	CANADA-A	N.END MCNAUGHTON LAKE	SN.	118.8W 5	53.0N 11	117.1W		z	7		160958 1			
90	103	CANADA-A	N.END MCNAUGHTON LAKE			53.2N 11	116.5W		250 N	N 19910429		161005 1		111 3	33 21
90	104	CANADA-A	LAKES W.OF EDMONTON	3.6N	114.2W 5	54.1N 11	113.1W	90 LO				161039 1		115 3	
06	105	CANADA-A	SLAVE		¥.	NZ.	111.0W		z	N 19910429					35 21
06	106	CANADA-A	LESSER SLAVE LAKE AREA	2S	115.4W 5	. 8N	110.4W		Z						
90	107	CANADA-Q	HUDSON BAY		2	8	75.9W		Z						
90	108	CANADA-Q	E.COAST HUDSON BAY, ICE		သ	9	74.4W		Z	-		_			7 21
06	109	CANALA-BC	COAST MTNS.		5	57.3N 13	131.1W	07 09		N 19910429	-	91353 1	145 1	149 4	44 2
6	110	CANADA-BC	AREA S OF DEASE LAKE		130.6W 5	57.3N 12	128.9W	0 1 0		N 19910429		191412 1	145 1	152 4	44 2
8 8	111	CANADA-BC	ST RANGE		3	2		2 2	z	N 19910429					
8 6	112	CANADA-BC	~				124.7W		: 2						
06	113	CANADA-BC	_	57.0N			123.1W		Z	N 19910429					
06	114	CANADA-BC	WILLISTON LAKE			56.8N 12	121.6W	70 0.0	250 N	N 19910429	•	191514 1	145 1		46 23
06	115	CANADA-A	VERY CLOUDY, DARK		S		116.1W	70 LO		N 19910429	-	91603 1	145 1		
06	116	CANADA-A	VRY DARK, GAS FIELD		S	55.7N 11	113.7W	0 0		199	10429 19	191625 1	145 1		48 2
90	117	CANADA-A	VRY DARK		S.	1.			z	199		-			
90	118	CANADA-M	VERY CLOUDY		S	51.6N g	98.3W	07 06		N 199104		_	144 1		51 2
06	119	CANADA-M	LAKE WINNIPEG, DARK	90.9N	96.7W 5	51.0N 9	M9.96	30 00	250 N	199	10429 19	91918	144 2	201 5	
90	120	CANADA-M	LAKE WINNIPEG, DARK	50.5N	96.7W 5	50.7N 9	95.97	40 LO		N 19910429		191926 1	144 2	203 5	52 23
06	121	USA-MI				44.6N 8	84.1W	07 06				192201	143 2		~
90	122	USA-PA	VERY CLOUDY, HAZY		*	41.1N 7	79.3W	07 06	250 N	N 19910429		192317 1	142 2		51 2
96	123	USA-VA	~		m	N9	76.2W		z						
06	124	USA-VA	œ		m	38	75.9W		Z	-					
93	0 V		CLOUDS, WATER		7		3.9E		z	N 19910505					
93	-	USA				-	.01.1W		z						59 119
93	7	USA-OK	GREAT SALT PLAINS RESERV	37.0N			MO. 66			-					
ი ი	m •	USA-OK	AROUND (Z .	7.6W	NO. 7	MS . 36	≥ 3 20 20 30		N 19910505		ͺ		169 6	62 119
56	4	USA-UK	AKEA N-NE OK CIIT	30.3N	٠.	NO. 0	80.0	2	N OCZ	C0C01661 N	- 1	184351	144	- 1	- 1

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

					١							19110	ĺ	_
ã	2	GEOGRAPHIC NAME	FEATURE	LAT LON		LAT	11 33	FLES	DATE	GMT	AL.	AZ SUN	L OR	~
63	y.	USA-OK	AREA NE OF OK CITY	35. 8N	3	W 97.5W	40 10 2	Z	19910505	-	4	_	63 119	
83	6	WSA-0K	SONDO	35.2N	3	98	2	Z	19910505		•		64 119	_
93	^	USA-OK		34.8N	96.2W 35.0N	96	}	Z	19910505	4				<u> </u>
93	80	USA-OK	CLOUDY			95.	2		19910505	184434	144		65 119	6
93	o	USA-OK			33.8		2	z	19910505	~	•	177 6		6
93	10	USA-LA	è		32.7N		2	z	19910505	184510	144	181 6	66 119	6
93	11	USA-LA	VERY CLOUDY		32.5N	W6.86 N9	2		19910505	184513	144	181 6		6
93	12	USA-LA	VERY CLOUDY, TOLEDO BEND	31.2N	93.2W 32.8	.3N 93.8W	2	z	19910505	184516		~	67 119	6
93	13	USA-LA	VERY CLOUDY, HAZY		31.3	.3N 92.8W	70		19910505	184536	143	185 6	68 119	6
93	14	COLUMBIA	VERY CLOUDY, HAZY, COASTAL		3.6	8N 74.2W	2		19910505	185359	141	284 6	5 119	6
6	٠ ب	ATRAITE	VERY CLOUDY HAZY COASTAL		~	2N 73 QW	95 10 2	N N N	19910505	185410	141	285 G	4 119	
6	91	BOI IVIA	CLOUDY HAZY		, C	. 49	2	: z	19910505	185814			۰	
93	17	BOLIVIA	CLOUDY, HAZY		11	65.	2	_	19910505	185826				6
93	18	BOLIVIA			11.95	65	2	z	19910505					
93	19	BOLIVIA			14.	63	2	250 N N	19910505					6
93	20	BOLIVIA		16.08	69.0W 16.		오	z	19910505	190002	141	303 4	44 119	6
93	21	BOLIVIA	LK. TITICACA, PANORAMA	16.08			2		19910505	190012	141	303 4	43 119	o
93	22	PARAGUAY	JCT. PILCOMAYO & PARANA R		58.8W 26.3S	55	40 LO 2		19910505	190304	142	305 3	3 119	6
93	23	ARGENTINA	RIO PARANA, E. CORRIENTAS	28.08		0S 54.7W	40 LO 2	z	19910505	190318			32 119	6
93	24	ARGENTINA	RIO PARANA, PANORAMA	31.08		7S 54.2W	40 HO 2		19910505	190331	142	305 3	11 119	6
93	25	ARGENTINA	RIO DE LA PLATA, HAZY	34.55	58.0W 30.5S	5S 51.8W	20 HO 2	250 N N	19910505	190425	143	305 2	27 119	- 0
93	26	ARGENTINA	DE LA	35.05	3	51	유	Z	19910505	190434				- -
	27	ARGENTINA	DE LA	29.05		51.	皇	z	19910505	190443				
93	28	ARGENTINA	DE LA	35.05	3	50.	오	250 N N	19910505	190447				
93	53	ARGENTINA	RIO DE LA PLATA, VRY HAZY	34.0S		.2S 50.3W		z	19910505	190459		304 2		6
93	30	ARGENTINA	LA PLATA, VRY		.0W 32	.4S 50.1W	50 HO 2	z	19910505	190503	143	304 2		6
93	31	ARGENTINA	æ		33.28	2S 49.4W		z	19910505	190518				G.
93	32	MEXICO	CALIF.		113.5W 31.0N	ON 115.3W	2	z		201523				_
93	33	MEXICO	CALIF., VIZCAINO	28.5N	.0W 29.	114		250 N N		201552		_	6	_
93	34	MEXICO	BAJA CALIF., VIZCAINO DES	28.5N	114.0W 29.1	.1N 113.7W	2	2	19910505	201559	143	192 7	0	_
93	35	MEXICO	BAJA CALIF.		112.0W 28.5	5N 113.2W		250 N N	19910505	201611	143	194 7	70 120	_
93	36	MEXICO	BAJA CALIF., SAN MARCOS I			3N 112.3W	2	250 N N	19910505	201633	•			_
93	37	MEXICO	BAJA CA., CONCEPCION BAY	27.0N 1		9N 111.9W			19910505	201641				0
93	38	MEXICO	BIJA CA., LA PAZ AREA		110.3W 24.6N	110.	2	z	19910505	201723	-			_
93	38	PACIFIC OCEAN	SUNGLINT		14.8N	8N 103.6W	80 LO 2	250 N N	19910505	20202	141	253 7	72 120	_
93	40	PACIFIC OCEAN	SUNGLINT		14.2N	2N 103.2W	07		19910505	202034	141			_
93	41		SULOY NR		1.9N		2	250 N N	19910505	202413		288 6		_
93	42		SULOY NR		1.0N	95	2		19910505	_				_
93	4 3	PACIFIC OCEAN			7.	95	2	250 N N	19910505	202440				_
93	4	SOUTH AMERICA	PANORAMA, SW. COAST		23.55	5S 80.1W	99 HO 2	20 N N	19910505	203153	142	305 3	36 120	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				8 3 4 3 4 4	4.00.						1		_
巌	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	LAT LON	ככ זו גיר	E S	DATE	CMT	AL AZ	2 SUN		OR OR
93	45	CHILE	ANDES, S. ALTIPLANO, COAST	l≆	30.2S 74.9W	60 НО 250	z	19910505	203359	143 30	305 2	28 120	
93	46	CHILE	•	.0S 71.0W	31.7S 73.5W	1 20 LO 250	Z	19910505	203429 1	143 30	305 2	26 120	•
93	47	CHILE	LA SERENA AREA	70.0W	33.3S 72.0W	1 30 LO 250	Z	19910505	203500 1	143 30	304 2	24 120	0
93	48	CHILE	A,HAZY	72.0W	34.9S 70.5W	30	N	19910505	203532	143 3	304 2	22 120	
93	49	ARGENTINA	ANDES, CLOUDS		36.2S 69.2W	70 LO 250	Z	19910505	203558	143 3	304 2	20 120	
93	20	ARGENTINA	SMOKE S.CHILE	71.5W	37.2S 68.0W	J 30 HO 250	z	19910505	203619	144 3	303 1	19 120	<u> </u>
93	51	ARGENTINA	NINSULA, GLARE	42.0S 64.0W 4	43.6S 59.8W	1 20 LO 250	z	19910505	203838 1	145 30	300 1	10 120	0
93	52	ARGENTINA	NINSULA, GLARE	64.0W	3.8S 59.5W	1 40 LO 250	N N	19910505	203843 1	145 30		10 120	•
93	53	ARGENTINA	N., SEVERE GLARE	42.0S 63.0W 4	4.3S 58.7W	40 LO	Z	19910505	203855 1	145 29	299	9 120	0
93	54	ARGENTINA	N., SEVERE GLARE	63.0W 4	5.0S 57.6W	40 HO 250	Z Z	19910505	203911	145 2	588	8 120	_
93	55	ARGENTINA	SEVERE GLARE	4	6.6S 54.7W	1 HO 250	Z Z	19910505	203951 1	145 29	297	5 120	
93	99	ARGENTINA	SEVERE GLARE	4	7.1S 53.8W	HO 250	z	19910505	204003		297	4 120	0
93	57	USSR	VRY HAZY, NO ID FEATURES	4	8 0.	30	z	19910506	002452 1		64 -	-2 123	<u>س</u>
93	58	USSR		4	72	30 HO	2	19910506	002457 1	147	64 -	-1 123	9
93	29	USSR	10	4	9.6N 73.4E		z	19910506	002507	147	99	-1 123	<u>ښ</u>
93	9	USSR	VRY HAZY,NO ID FEATURES	4	9.7N 73.7E		N N O	19910506	002511 1	147 (-1 123	ښ س
93	61	PACIFIC OCEAN ISLAND	ELLICE IS.,CLOU	6.0S 177.0E	5.3S 177.2E		z	19910506		141 29			4
93	62		SUNGLINT, CLOUDS		178	70 LO	Z		~	141 30			-
93	63		SUNGLINT, CLOUDS		.0S 178.	70 LO 2	_		~			•	4
93	64	PACIFIC OCEAN	Cronds		9.2S 179.5E	80 HO 250	2	19910506	022615	141 3	301 5	52 12	4
6	6.5	PACTETC OCEAN	TNI ISMIS SOLIO IS	-	0.15 180.0W	60 10 250	z	19910506	022631	141 3	302 5	51 12	4
2 6	9 4		COLOR CHARTANT		02 170	01 09		10010506					-
2 2	00		CLOODS, SOMELAND	•	176.		: 2	19910506					•
2 6) 4		CLOUDS CABCO BAX	- 6	13.33 1/0.04	0.00		10010606					
6 6	9	9	MOMEON TAN DIAT	7			: 2	19910506					<u> </u>
6 6	7 03	MONGOL I A		. 4	7N 116	2 2	2	19910506					ۍ د
6 6	2 :	MONEOL 1A		***	3 3N 117	2 5		19910506					, _{(C}
0 0	72	AUSTRALIA-0	_	• =	8.85	20 H2	: z	19910506					ص و
63	73	AUSTRALIA-0		2	4.95 144	90 HO	z	19910506					9
93	74	AUSTRALIA-0	DARLING DOWNS AREA	2	7.25	70 HO	Z Z						9
93	75	AUSTRALIA-0	DARLING DOWNS AREA	2	27.9S 146.6E	60 HO 250	Z	19910506	053118 1	142 30	307 3	30 126	9
93	16	BANGLADESH	VRY CLOUDY, HAZY	2	27.3N 88.3E	07 06	Z	19910506	064416		198 7	73 127	_
93	11	BANGLADESH		2	88	07 06	z	19910506					
93	78	BANGLADESH	VRY CLOUDY, HAZY	2	N6.9	95 LO	Z	19910506	064423	143 1			
93	79	BANGLADESH	VRY CLOUDY, HAZY	2	6.7N 88.	98	z	19910506	064426 1	143 20	200 7	73 127	
93	80	BANGLADESH	VRY CLOUDY, HAZY	2	3.8N 90	07 O6	z z	19910506	064520		213 7	75 127	
93	81	BANGLADESH	CLOUDY	2	3.5N 91	95 LO 2	z	19910506		<u>.</u>			_
93	85	BANGLADESH	-	7	3.0N 91	95 LO	z	19910506					_
93	83	BANGLADESH	CLOUDY	2 0	2.7N 91.	95 LO 2	2 : 2 :	19910506	٥.			→ .	
93	84	BANGLADESH	VRY CLOUDY, HAZY	2	Z.5N 91.9E	99 LO 250	2	19910506	064544	143 2	220 /	75 12	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				41410	3								ا	إ	
굺	F.	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT LON	2	CC TL	<u>1</u>	S	DATE	GMT	A.	AZ SUN	الم	OR
93	85	BANGLADESH	VRY CLOUDY, HAZY			. 4E	1	250 N	z)	064557		223	75	127
93	98	BANGLADESH	VRY CLOUDY, HAZY		20.4N 93	. 4E	95 LO	250 N			064623	142	231	75	127
93	87	BANGLADESH	VRY CLOUDY, HAZY		20.1N 93	. SE		250 N		19910506	064628	142	232	75	127
93	88	BANGLADESH	VRY CLOUDY, HA2Y		Ν.	93.8E	07 65	250 N	z		064636		234	75	127
93	83	BANGLADESH	VRY CLOUDY, HAZY		. SN	. 0E	S5 LO	_	z		064640		236	75	127
93	06	BANGLADESH	VRY CLOUDY, HAZY		3R	94.1E			z		064644		237	75	127
93	91	BANGLADESH	VRY CLOUDY, HAZY		NO.	94.3E			2	9910506	064648	142	238	75	127
93	95	BURMA	VRY CLOUDY, HAZY			94.5E	90 LO	_	Z	9910506	064654		240	75	127
93	93	BURMA	CLOUDY	18.0N 94.4E	18.0N 95	. 0E	P0 L0	100 N		19910506	064707	142	243	75	127
93	94	BURMA	VRY CLOUDY, HAZY	94	17.8N 95	.16	70 60	100 N	Z	19910506	064711	142	244	75	127
	G.	BIRMA	VRY CLOUDY HAZY	17.5N 95.0F	17 6N 95	3.	0 1 09	100 N	Z	9910506	064715	142	245	75	127
8	9	BIIRMA		2	17 3N	•		1001	Z		064720		247	75	127
6	6	BURMA			17.0N	95.6E			· ~	9910506	064725		248	75	127
93	86	BURMA	=	17.0N	16.7N	. 8E			Z		064730		249	75	127
93	66	BURMA	AZY, BRAIDED	16.5N	16.5N	95.9E			2		064734		250	75	127
93	100	BURMA	CLOUDY, HAZY, BRAIDED STRM	16.5N	16.3N	. 1E		100 N	z	19910506	064738	142	251	75	127
93	101	BURMA	CLOUDY, HAZY, BRAIDED STRM	16.0N	16.0N 96	.2€	50 L0	100 N	2	19910506	064743	142	253	74	127
93	102	BURMA	AZY, BR/	16.0N 95.8E	.7N 96	. 4E	40 LO		z	19910506	064748	142	254	74	127
93	103		Y, VRY		.2N 28	3 6.	07	100 N	z	19910506	092842		91	20	129
93	104		CARGO BAY, VRY DARK		57.3N 25	.5₩	• 10	100 N	z	19910506	092911	147	94	22	129
94	0 A	USA-NV	PYRAMID LAKE	40.0N 119.5W	40.6N 120.	36	07 0	250 N	 Z	9910504	201714	146	160	55	104
94	-	USA-NV	LAKE TAHOE SIERRA NEVADA	39.0N 120.0W	40.3N 120.5W	MS.	07 0	250 N		9910504	201724	146	161	55	104
	2	USA-NV	TAHOE, SIERRA	8	No	3.	07 0	_	2		201730		162	55	104
	က	USA-NV		38.0N 119.0W	39.2N 119.1W	M T:		250 N	z	19910504	201747	145	164	56	104
94	4	USA-NV	LAKE	NO.	38.7N 118	 		_	Z	19910504	201756	145	165	21	104
	သ	USA-NV	9	8	38.4N 118.3W	.3₩				9910504	201802		166	21	104
	9	USA-NV	¥		. 2N	.6		250 N	z		201807		166	57	104
94	7	USA-NV	¥	.5N 118.	8 0.	.8€		_	z		201812		167	28	104
94	ထ	USA-NV	S AREA	6.0N 115	.4N 117	₹.		250 N	z		201824	14	168	98	104
94	တ	USA-CA	SALTON SEA, IMPERIAL VAL.	33.0N 115.7W	36.7N 116	₹.	00	250 N		9910504	201837	145	170	29	104
94	10	USA-CA	US-MEXICO BORDER	32.7N 115.0W	36.2N 115	M6.	0 0	250 N		19910504	201848	145	172	9	104
94	11	MEXICO	MOUTH OF COLORADO RIVER	31.7N 114.5W	35.9N 115	.6₩	07 0	250 N		19910504	201853	145	172	9	104
94	12	USA-AZ	PHOENIX AREA	33.5N 112.0W	34.7N 114	¥.		250 N	Z Z		201917		176	61	104
94	13	USA-AZ	TUCSON AREA	32.2N 111.0W	34.4N 114.	. 1W		250 N		19910504	201923	145	176	61	104
9.4	14	USA-AZ	SE ARIZONA, OPEN PIT MINE	31.5N 111.5W	32.7N 112.	.5₩		250 N	z	19910504	201957	144	181	63	104
94	15	MEXICO	NEAR	31.0N 111.0W	32.1N 111.	3 6.		250 N		19910504	202009	144	183	63	104
94	16	MEXICO	NEAR SANTA		111	™ 0.		250 N	 		202029	144	186	64	104
94	17	MEXICO	NEAR SANTA ANA	.ON 111	0.6N 110	M9.		250 N	_		202038		187	64	104
40	18	MEXICO	AROUND	00 NO	.7N 109	3 8.		250 N	# : Z :		202055		190	65	104
2.0	51	MEXICO	AKEA NW UF CULIALAN	25.UN 108.UM	29.5N 109	3	40 L0	N DGZ	2	9910504	202028	144	191	3	104

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

R	F.R	GEOGRAPHIC NAME		CENTER LAT LON	NADIR LAT LON	CC TL FL	E S	1 1	1	AL A	5	1 1	ĕ
94	70	MEXICO	, VIEW		.2N 105	2	z						104
94	21	MEXICO	.VIEW E,SE.		8. T	90 FO	Z						104
94	25	ARGENTINA	PANORAMA, VIEW W. SMOKE PL		37.2S 63.7W	70 HO 250	z z	19910504	204126	144 3	300	20 1	104
94	23	ARGENTINA	PANORAMA, VIEW W. SMOKE PL		.28 62.	70 HO 250	z	19910504	204148	144 3			104
94	24	USSR	SAYAN MTNS., SNOW COVERED		55.8N 98.7E	0 LO 250	Z	19910505	003355	148		10 1	107
94	52	USSR	SAYAN MINS., SNOW COVERED		56.0N 100.0E	0	z	19910505	003407	148	28	11 1	107
94	92	USSR-MIDDLE	IND NIZHN	54.6N 99.0E	38	07 0	z	19910505	003424	148	08	12 1	107
94	27	USSR-MIDDLE	AREA S. OF BRATSK	.6N 102.0	.6N 103.	2	Z	_	003442	148			107
94	88	USSR-MIDDLE	SWAMP, VERKHNYAYA ANGARA	6.0N	57.2N 112.5E	0 LO 100	2	19910505	003556	148	88	18 1	107
94	53	USSR-MIDDLE	SWAMP, VERKHNYAYA ANGARA	56.3N 112.5E	57.3N 113.8E	0 LO 100	2	19910505	003607	148	68	19 1	107
94	30	USSR-MIDDLE	MTNS, VALLEY W.OF MUYA	56.3N 114.5E	57.3N 115.3E	0 LO 100	Z	19910505	003620	148	06	20 10	107
34	31	USSR-MIDDLE	2	56.8N 118.3E	57.2N 121.0E	0 LO 100	z	19910505	003708	148	95	23 1	107
94	32	USSR-PACIFIC		54.5N 127.5E	56.6N 129.3E	0 LO 100	z	19910505	003819	148 1	102	-	107
94	33	USSR-PACIFIC		54.6N 127.0E	56.5N 130.8E	0 LO 100	z	19910505	003832	148 1		28 1	107
94	34	USSR-PACIFIC	COAST, KHREBET DZHUGDZHUR	55.8N 136.4E	55.6N 136.2E	5 NV 100	z	19910505	003921	148 1			107
94	35	USSR-PACIFIC	COAST, PACK ICE, SAKHALIN	₩0.	.6N 145.	2	Z		004049				107
94	36	USSR-PACIFIC	OSTROV ONEKOTAN ISLAND	49.5N 154.8E	50.1N 155.0E	≩	z	19910505	004236	147 1			107
94	37			174.	.5N 174.	2	z	S	005118				107
94	38	OCEAN	\$.45 151.	.28 152.	2	z	910505	010201				107
94	39	PACIFIC OCEAN ISLAND	TUAMOTU IS, RANGIROA	15.1S 147.8W	14.4S 150.2W	40 LO 100	2	19910505	010318	141 2	298	46 ±	107
2	•	CAN 121 MABOO DIBLORD	2	ú	031	•	2	1001001	10001		900	9	
,	? ;	00.00	IOAMOIO 13.	.03 140.	3 9	40 CO	2 :		170010				- -
40.	41	OCEAN	_	.5S 145.	15 149.	2	Z		010331				101
94	45	OCEAN	TUAMOTU IS.	.55	.9S 149.	9	z : z :	-	010344				107
94	43	OCEAN	I.S		. 15 149.	2	Z		010349				107
94	4	OCEAN	TETIAROA ISLAND	.0S 149.	.85 148.	2	Z		010401				107
94	45	OCEAN			.15 148.	2	_		010407				107
94	46	PACIFIC OCEAN ISLAND	S	_	.1S 146	2	2		010502				107
94	47	USSR-MIDDLE		64.	.ON 64.	2	z	2	020142		20		108
94	48	USSR-MIDDLE	_	54.0N 68.0E	.1N 67.	2	z						108
94	49	USSR-MIDDLE	ANGARA RVR., N OF NEVON	58.8N 102.6E	57.0N 103.0E	0 LO 100	z	19910505	020730	148	0	25 1	108
94	20	USSR-MIDDLE	AREA AROUND NEVON	57.8N 103.2E	56.7N 105.8E	0 LO 100	z	19910505	020754	148	102	27 1	108
94	51	USSR-PACIFIC	S. TIP SAKHALIN	SO.	46.4N 139.5E		Z	19910505	021352	147 1	145	48 1	108
94	52	JAPAN	N.HOKKAIDO	45.2N 142.0E			z	19910505	021402	147 1	146	49 1	108
94	53	JAPAN	COASTAL AREA NEAR OMU	.6N 142	7N 140	2	z		021408	147 1			108
94	54	JAPAN	COASTAL AREA NR.YUBETSU	44.2N 143.4E	45.6N 140.9E	0 LO 100	Z	19910505	021412	146 1	147	50 1	108
94	55	JAPAN	RISHIRISHIMA IS.	45.2N 141.2E	.1N 143		z	19910505	021445	146 1			108
94	96	JAPAN		.2N 141.	.6N 144	2	z		021457				108
94	57	JAPAN	, KUS	144	.1N 144.	≩	z		20				108
94	58	JAPAN	S.S.HALF IS.	.6N 147	.2N 145.	2	z : z :	910505	021528			₹ .	108
94	29	JAPAN	KUNASHIRI IS.N.HALF IS.	44.4N 146.2E	42.0N 146.2E	0 LO 100	z z	19910505	021533	146 1	157	54 1	80

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

귤	3	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	LAT	ပ္ပ	1	r R S	DATE	GMT	٩٢	AZ SUN	س س	OR
94	99	JAPAN	KUNASHIRI IS.S.HALF IS.	44.0N 145.8E	1	0	100	z	i .	021536	146	157		108
94	61	PACIFIC OCEAN	WATER BOUNDARIES		39.6N 149.2E	20	LO 100	z	19910505	021624	145	163	•	108
94	62	PACIFIC OCEAN	WATER BOUNDARIES, INT. WVS		39.0N 149.9E	20	LO 100	Z	19910505	021636	145	164		108
94	63	PACIFIC OCEAN	WATER BOUNDARIES, INT. WVS		38.9N 150.0E	20	100	NO	19910505	021638	145	165		108
94	64	PACIFIC OCEAN	WATER BOUNDARIES, INT. WVS		8	10	LO 100	Z	19910505	021641	145	165		108
94	65	PACIFIC OCEAN	SUNGLINT, WATER PATTERNS		38.3N 150.7E	40	LO 100	z	19910505	021650	145	166		108
94	99	PACIFIC OCEAN	TOO DARK, OVEREXPOSED		7.9N		LO 100	Z	19910505	021700	145	167		108
94	67	PACIFIC OCEAN			37.6N 151.5E	10	LO 100	z	19910505	021705	145	168		108
94	68	PACIFIC OCEAN	_		37.3N 151.9E	40	LO 100	z	19910505	021712	145	169	59 1	108
94	69	AUSTRALIA-Q	CAPE KEERWEER AREA	14.0S 141.7E	E 14.9S 141.8E	15	LO 100	Z	19910505	053231	141	599	45 1	110
	ŕ				;	8		:		0	•	;		;
9.4	2	BURMA		9	24.1N			Z	_		143	117		111
94	71	BURMA		94	23.9N 95			z	-		142	211		111
94	72	BURMA		94	23.7N			z		_	142	212		111
46	73	BURMA	CHINWIN R.VALLEY, NW.	22.3N 94.8E	23.5N	70		z			142	213		111
94	74	BURMA	CHINDWIN/IRRADY	21.8N 95.2E	23.1N	0			19910505	065047	142	214		111
94	75	BURMA	IRRAWADDY, AT CHAUK	20.7N 94.6E	~	10	LO 100	Z	19910505	065054	142	216		111
9.4	16	BURMA	IRRAWADDY, AT YENANGYAUNG	20.3N 94.5E	~	10	LO 100	z	19910505	065102	142	218	71 1	111
94	11	BURMA	IRRAWADDY, AT MAGWE	19.8N 94.8E	21.9N		LO 100	z	19910505	065110	142	219	71 1	111
94	78	BURMA	MOUTH MIN CHAUNG R. AREA	19.8N 93.5E	21.3N 97		100	z	19910505	065121	142	222		111
94	79	BURMA	MOUTH MIN CHAUNG R. AREA	19.8N 93.7E	21.1N 97	86	LO 100	z	19910505	065124	142	223	11	111
94	80	BURMA	RAMREE ISLAND	2N	20.9N	90		Z	_		142	223	71 1	111
94	81	BURMA	CHEDUBA STRAIT AREA		20.8N 97	9	LO 100	z	-		142	224		111
94	82	BURMA	ARAKAN YOMA MTNS.		20.6N	9		z	-		142	225		111
94	83	BURMA	ARAKAN YOMA MTNS.	19.0N 95.0E		9	LO 100	Z	19910505	065137	142	225	71	111
94	84	BURMA	OMA	. S.	20.1N 97	70		N N O		065142	142	227		111
94	85	BURMA	ARAKAN YOMA MTNS.	18.5N 94.7E		9	LO 100	Z	_	065146	142	227	71 1	111
94	86	BURMA	AREA W. HENZADA	8 N8.	E 19.1N 98.6E	20	LO 100	z	19910505		142	231	71 1	111
94	87	BURMA		.0N 95.	18.5N 99	80		Z	19910		142	233		111
94	88	BURMA	IRRAWADDY	.0N 95.	18.3N 99.	70		Z			142	234		111
46	83	BURMA	MOUTH OF IRRAWADDY R.	16.2N 95.5E	E 18.2N 99.2E	9	LO 100	Z Z	19910505	065218	142	235	71 1	111
94	06	BURMA	RANGOON AREA	16.7N 96.0E	E 17.8N 99.4E	20	LO 100	Z	19910505	065224	142	236	71 1	111
94	91	BURMA	RANGOON AREA	17.0N 96.0E	17.7N 99	20		2	19910505	065227	142	237		111
94	95	BURMA			17.5N 99	70		Z			142	237		111
94	93	BURMA	AREA S. MOULMEIN	16.0N 97.8E	17.2N 99	9		z	19910505	065236	142	239		111
94	94	BURMA	s.	NO.	16.8N 100	80		2			142	240		111
94	95	BURMA	RA	N.	16.0N 100	80	LO 100	2			142	243		111
94	96	BURMA	VIEW TOWARDS RANGOON			90		2		-	141	245		111
46	97	BURMA	VIEW TOWARDS TAVOY	98	15.0N 101	06		N O			141	247		111
94	86	THAILAND	BIGHT OF BANGKOK	13.4N 100.1E	: 13.7N 102.1E	9	LO 100	Z	19910505	065339	141	252		=
94	66	THAILAND	BIGHT OF BANGKOK		13.4N 102	20		N N O	19910505	065345	141	253		111
													l]

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

R. R. GEORGHELIK NAME BIGHT OF BANKGKK 13.04 100.00 81 310 01 00.00 81 310 01 010.00 81 31 01 010.00 81 31 01 01 01 01 81 01 01 01 81 19910599 0155325 111 2544 94 100 REPUBLIC SOUTH ARRICA CAPE TOWN AREA. 13.04 100.00 81 19910590 145555 143 304 52 95 95 18 01 01 01 00 1 19910595 14555 143 304 52 95 3 8 REPUBLIC SOUTH ARRICA CAPE TOWN AREA. CIRNES 95 2 REPUBLIC SOUTH ARRICA CAPE TOWN AREA. 13.04 10.05 15 0.00 1 10.00 1 19910595 14555 143 304 52 95 3 15 16 0.00 10 0 1 19910595 14565 143 304 52 95 3 15 0.00 10 0 1 19910595 14565 143 304 52 95 3 15 0.00 10 0 1 19910595 14565 143 304 52 95 3 15 0.00 10 0 1 19910595 145605 143 304 52 95 3 15 0.00 10 0 1 19910595 145605 143 304 52 95 3 15 0.00 10 0 1 19910595 145605 143 304 52 95 3 15 0.00 10 0 1 19910595 145605 143 304 52 95 3 15 0.00 10 0 1 19910595 145605 143 304 52 95 3 15 0.00 10 0 1 19910595 145605 143 304 52 95 3 15 0.00 10 0 1 19910595 171110 146 149 52 95 10 10 10 10 10 10 10 10 10 10 10 19910595 171110 146 149 52 95 10 10 10 10 10 10 10 10 10 10 10 19910595 171110 146 149 52 95 10 10 10 10 10 10 10 10 10 10 10 10 10					CEN		MADITE							N.		Γ
100 REPUBLIC SOUTH AFRICA CAPE TOWN AREA (1878) 33.55 18.08 12.25 3 10.06 10.00 N N 19910050 134545 43.3 34.5 18.08 12.25 3 10.00 10.00 N N 19910050 134562 43.3 30.4 18.08 12.25 10.00 10.00 N N 19910505 134562 43.3 30.4 18.08 12.25 10.00 10.00 N N 19910505 134562 43.3 30.4 18.08 12.25 10.00 10.00 N N 19910505 134505 43.3 30.4 18.08 12.25 10.00 10.00 N N 19910505 134505 43.3 30.4 18.08 10.00 10.00 N N 19910505 134505 134.3 30.4 18.08 10.00 10.00 N N 19910505 13405 134.3 30.4 18.08 10.00 10.00 N N 19910505 13405 134.3 30.4 18.08 10.00 10.00 N N 19910505 13405 134.3 30.4 18.08 10.00 10.00 N N 19910505 13405 134.3 30.4 18.08 10.00 10.00 N N 19910505 13405 134.3 30.4 19.08 10.00 10.00 N N 19910505 13405 134.3 30.4 19.08 10.00 10.00 N N 19910505 134.00 14.0 19.00 10.00 N N 19910505 134.00 14.0 19.00 10.00 N N 19910505 134.0 14.0 19.0 19.0 10.0 N N 19910505 134.0 14.0 19.0 19.0 19.0 N N 19910505 134.0 14.0 19.0 N N 19910505 134.0	ا	F.R			LAT		T	22	L FL	- 1		GMT	AL A		ای	æ
0. REPUBLIC SOUTH AFRICA CARE TOWN AREA, CIRNS 30.55 18.778 17.55 1.06 00 10.00 N N 19910050 134565 143 304 18 FEPUBLIC SOUTH AFRICA CARE NUMBAREA, CIRNS 30.59 18.778 2.75 18.078 10.00 00 N 19910050 134050 143 304 18 FEPUBLIC SOUTH AFRICA CARE NUMBAREA, CIRNS 30.59 18.778 2.70 10 10.00 N N 19910050 134050 143 304 18 FEPUBLIC SOUTH AFRICA CARE NUMBAREA, E. HALL IK RETIE 42.0N 90.004 5.0N 95.00 10 10.00 N N 19910505 171050 146 145 145 145 145 145 145 145 145 145 145	94	100		0F			102			Z		065352	_		-	111
1 REPUBLIC SOUTH AFRICA CAPE TOWN AREA, CIRRIS 31.05 18.62.25 13.05 0.0 10.00 N 199110050 134562 143.3 34 REPUBLIC SOUTH AFRICA CAPE NARA AREA, CIRRIS 31.05 19.06.23.55 13.67 0.0 10.00 N 199110050 134506 143.3 34 REPUBLIC SOUTH AFRICA CAPE NARA WAREA, CIRRIS 31.05 13.65 13.67 0.0 10.00 N 199110050 134066 143.3 34 REPUBLIC SOUTH AFRICA CAPE NARA WAREA, END CAREA WAREA WAREA WAREA, END CAREA WAREA WAREA, END CAREA WAREA, END CAREA WAREA WAREA, END CAREA WAREA WAREA, END CAREA WAREA WAREA, END CAREA WAREA WAREA WAREA WAREA, END CAREA WAREA W	95	O	SOUTH AFRICA	LOWN	ຕ	. 7E	17					143545				116
2 REPUBLIC SOUTH AFRICA AREA WOLKELEY 3.1.5 19.05 23.05 18.75 0.10 100 N N 19910505 143005 14300 44 4 REPUBLIC SOUTH AFRICA AREA WOLKELEY 3.1.5 19.05 30.65 19.45 60 L0 100 N N 19910505 143005 14301 40 6 USA 4 REPUBLIC SOUTH AFRICA AREA WOLKELEY 3.1.5 19.05 30.65 19.45 60 L0 100 N N 19910505 17105 146 147 9 USA 5 ANADORNAM, E. NALF IK ERITE 42.0N 95.0M 45.7N 85.7W 20 L0 100 N N 19910505 17110 146 146 9 USA 6 USA 6 USA 7 ANADORNAM, E. NALF IK ERITE 42.0N 95.0M 44.7N 85.7W 20 L0 100 N N 19910505 17110 146 156 10 USA 7 PANORNAM, E. NALF IK ERITE 42.0N 95.0M 44.7N 85.7W 20 L0 100 N N 19910505 17110 146 156 11 USA-PA 12 USA-PA 13 USA-PA 14 CAMADA-O 7 RETE ERITE PA., OFF 7 42.0N 80.0W 44.7N 85.7W 20.10 100 N N 19910505 17112 146 151 15 USA-PA 16 USA-PA 17 USA 18 USA-PA 18 USA-PA 18 USA-PA 18 USA-PA 18 USA-PA 18 USA-PA 19 USA-PA 19 USA-PA 10 USA 10 USA 10 USA 10 USA 10 USA 11 USA-PA 11 USA-PA 12 USA-PA 13 USA-PA 14 USA 15 USA-PA 15 USA-PA 16 USA-PA 17 USA 18 USA-PA 19 USA-PA 19 USA-PA 10 USA 10 USA 10 USA 11 USA-PA 11 USA-PA 12 USA-PA 13 USA-PA 14 USA 15 USA-PA 15 USA-PA 16 USA-PA 17 USA 18 USA-PA 1	92	,	SOUTH AFRICA	TOWN AREA,	33.75	.8E 32	18.			z		143552				116
3 REPUBLIC SOUTH AFRICA ARE N MEDISELEY 33.45 19.0E 23.55 18.7 E 0.10 100 N N 19910505 143821 43 304 10.55 USAN MERN WOLKELEY R. 19.0E 23.65 19.4E 00 L0 100 N N 19910505 143821 445 145 145 145 145 145 145 145 145 14	95	7	SOUTH AFRICA	TOWN AREA,	34.05	32	_			z	19910505	143557				116
4 REPUBLIC SOUTH AFRICA AREA MARE WASSELS 13.45 19.0 £ 3.35 19.4 £ 5.01 £ 0.10 00 N N 19910505 171050 146 147 149 149 149 149 149 149 149 149 149 149	95	က	SOUTH		33.45	32				Z	19910505	143606				16
5 USA PANDRAMA, E. HALF LK RRIE 2.0N 80.0M 45.0N 85.7N 87.0M 60 100 N N 19910505 171105 146 147 198 198 198 198 198 198 198 198 198 198	92	4	SOUTH		33.45	33		9		z	19910505	143621				116
6 USA PANORAMA, E. HALF LK ERTE 42.0N 80.0W 45.0W 20 LO 100 N N 19910565 171110 146 149 8 USA PANORAMA, E. HALF LK ERTE 42.0N 79.0W 44.0N 85.7W 20 LO 100 N N 19910565 171111 146 159 10 USA-NA LK ERTE FRIE PA., OHTO 79.0W 44.7N 86.7W 10 LO 100 N N 19910565 171121 146 151 11 USA-PA LK ERTE FRIE PA., OHTO 79.0W 44.7N 86.7W 20 LO 100 N N 19910565 171121 146 151 12 USA-PA LK ERTE FRIE PA., OHTO 79.0W 44.7N 86.7W 20 LO 100 N N 19910565 171121 146 151 13 USA-PA LK ERTE FRIE PA., OHTO 79.0W 44.7N 86.7W 20 LO 100 N N 19910565 171121 146 151 14 CANADA-O AREA WERN HAMILTON 43.0N 79.5W 40.0M 23.0M 20.0M 10.0M N 19910565 171121 146 153 15 USA-PA REPLEATE PA., OHTO 79.0W 44.6W 20.0M 20.0M N 19910565 171121 146 153 16 USA-WY AREA WERN HAMILTON 43.0N 79.5W 40.0M 20.0M N 19910565 177131 146 153 17 USA-WY AREA WERN HAMILTON 43.0N 79.5W 40.0M 20.0M N 19910565 177131 146 153 18 USA-WY AREA WERN HAMILTON 43.0N 79.5W 40.0 10.00 N N 19910565 177131 146 153 19 USA-WY AREA WERN CASPER, VRCLDY 44.0N 107.0W 44.5N 107.6W 20 LO 100 N N 19910565 177131 146 153 19 USA-WY AREA WERN CASPER, VRCLDY 44.0N 107.0W 44.5N 107.6W 20 LO 100 N N 19910565 177131 146 153 19 USA-WY AREA WERN CASPER, VRCLDY 44.0N 107.0W 44.5N 107.6W 20 LO 100 N N 19910565 1846 150 21 USA-WY AREA WERN CASPER, VRCLDY 44.0N 107.0W 44.5N 107.6W 20 LO 100 N N 19910565 1846 150 22 USA-CO FT. COLLINA REA SPER, VRCLDY 47.0N 47.5N 107.6W 20 LO 100 N N 19910565 1846 150 23 USA-CO FT. COLLINA REA SPER, VRCLDY 47.0N 20.0 10.0 N N 19910565 1846 150 24 USA-CO FT. COLLINA REA SPER, VRCLDY 47.0N 20.0 10.0 N N 19910565 1846 150 25 USA-CO FT. COLLINA REA SPER, VRCLDY 47.0N 20.0 10.0 N N 19910565 1846 150 26 USA-CO FT. COLLINA REA SPER, VRCLDY 47.0N 20.0 10.0 N N 19910565 1846 150 27 USA-LA FRAME VRY CLDY MISS. R. 20.0 10.0 N N 19910565 1846 191 131 28 USA-LA FRAME VRY CLDY MISS. R. 20.0 10.0 N N 19910565 1846 191 131 29 USA-LA FRAME VRY CLDY MISS. R. 20.0 10.0 N N 19910565 1846 191 131 20 USA-LA FRAME VRY CLDY MISS. R. 20.0 10.0 N N 19910565 1846 191 131 20 USA-LA FRAME VRY CLDY MISS. R. 20	95	2	USA	E.HALF LK	42.0N	45		9		z	19910505	171050				81
1.05A PANORAMA, E. HALF LK ERIE 42.0N 79.0N 44.5N 20.0 10.0 N 19910505 171110 146 150	95	9	USA	E.HALF LK	42.0N	45		30		z	19910505	171106				118
B USA-NY LEAFLE HALF LK ERIE 42.0N 79.0W 44.7N 85.4W 10 L0 100 N N 19910565 171124 146 151 100 L0 USA-NY LK ERIE ERIE PA., LG PT. 42.0N 80.0W 44.2N 87.7N 20.10 100 N N 19910565 171124 146 151 12 USA-NA LK ERIE ERIE PA., LG PT. 42.0N 80.0W 44.2N 87.7N 20.10 100 N N 19910565 171124 146 151 12 USA-NA LK ERIE ERIE PA., LG PT. 42.0N 80.0W 43.6N 83.6W 70 L0 100 N N 19910565 171128 146 151 12 USA-NA LK ERIE FRIE, PA., LG PT. 42.0N 80.0W 43.6N 83.6W 70 L0 100 N N 19910565 171128 146 151 12 USA-NA LK ERIE PA., LK FALEE FRIE, PA., LK FALEE FRIE, PA., LK FALEE FRIE, PA., LK FALEE FRANCH VALUE N 80.0W 43.6N 83.6W 70 L0 100 N N 19910565 17124 146 152 12 USA-NA LK FALE NERR HARLITON LAS. N 80.0W 43.6N 78.6W 40.10 100 N N 19910565 17124 146 153 124 154 154 154 154 154 154 154 154 154 15	98	7	USA	E.HALF LK	42.0N	44.	œ					171110				118
10 USA-PA LK ERIE, FRIE, PA., LIG PT. 42.0N 79.0W 44.4N 84.9W 10 LO 100 N N 19910566 171121 146 151 11 USA-PA LK ERIE, FRIE, PA., LIG PT. 42.0N 80.0W 44.2N 87.7W 20 LO 100 N N 19910565 171128 146 151 12 USA-PA LK ERIE, FRIE, PA., LIG PT. 42.0N 80.0W 43.6N 83.6W 20 LO 100 N N 19910565 171128 146 151 131 USA-PA REF. PA., CN., HALF RAME 42.0N 80.0W 43.6N 83.6W 20 LO 100 N N 19910565 171128 146 151 151 USA-WA RER. NEKR HAMILTON 43.0N 79.5W 40.2N 79.6W 40.00 LO 100 N N 19910565 171223 145 165 161 USA-WA RER. NEKR HAMILTON 43.0N 79.5W 40.2M 79.5W 40.00 LO 100 N N 19910565 171228 145 165 161 USA-WA RER. NEKR HAMILTON 43.0N 79.5W 40.2M 79.2W 40.0 LO 100 N N 19910565 17123 145 165 161 USA-WA RER. NEKR HAMILTON 43.0N 79.5W 40.2M 79.2W 40.0 LO 100 N N 19910565 17123 145 165 161 USA-WA RER. NEKR HAMILTON 43.0N 79.5W 40.2M 79.2W 40.0 LO 100 N N 19910565 171231 145 165 161 USA-WA S. SIG HORN WINS. 43.5N 10.2W 70.0M 44.5N 107.0W 44.5N 107.0W 44.5N 107.0W 45.5N 107.5W 70.0 N N 19910565 184029 146 150 1724 USA-WA S. SIG HORN WINS. 43.5N 107.0W 44.5N 107.7W 40.0 LO 100 N N 19910565 184029 146 150 1724 USA-WA S. SIG HORN WINS. 43.5N 107.0W 44.5N 107.7W 42.5N 107.5W 42.3N 107.5W 42.5W 42.3N 107.5W 42.5W 42.3N 107.5W 42.5W 42.3N 107.5W	95	80	USA	,E.HALF LK	42.0N	.0W 44	85.			_	19910505	171114				18
10 USA-PA UK ERLE, FRIE, PA., LIG PT. 42.0N 80.0W 44.2N 24.4 40.10 IO IO N N 19910506 171128 146 151 10SA-PA UK ERLE, FRIE, PA., OHIO, PA., OHIO OHIO OHIO OHIO OHIO OHIO OHIO OHI	95	თ	USA-NY	E. HALF LK	•	.0W 44	84.				19910505	171121				118
11 USA-PA 12 USA-PA 13 USA-PA 14 CHREFEREE,PA.,OHIO 42.0N 80.0M 43.6N 83.6M 15 USA-PA 15 USA-PA 16 CANADA-O 17 EREE,PA.,OK. HALF FRAME 18 CANADA-O 18 EREE,OKLY HALF FRAME 19 USA-WY 19 US	95	10	USA-PA	RIF PA	42.0N	44	84			Z		171124			-	118
12 USA-PA REREFERIE,PA. H. R. HALLTON REAR AZ. ON BOLM 43.6 M 3.6 M 0.00 ON N N 19910505 17131 146 152 RERE NERR HARLTTON RERE NERR HARLTON RERE NERR HARLTTON RER NERR NERR HARLTTON RERE NERR HARLTTON RERE NERR HARLTTON RERE NERR HARLTTON RER NERR NERR HARLTTON RER NERR NERR HARLTTON RER NERR HARLTON RER NERR HARLTTON	95	11	USA-PA		42.0N	5W 44	8			z		171128			•	118
13 USA-PA AREA NEAR HAMILTON 43.0N 91.0M 40.5N 78.2M 40 L0 100 N N 19910560 17124 146 165 15 CAMADD-O AREA NEAR HAMILTON 43.0N 91.0M 40.5N 78.2M 40 L0 100 N N 19910560 171261 416 160 15 USA-DA AREA NEAR HAMILTON 43.0N 91.0M 92.0N 78.2M 40 L0 100 N N 19910560 171261 416 160 16 USA-DA AREA NEAR HAMILTON 43.0N 91.0M 92.0N 78.2M 40 L0 100 N N 19910560 171310 416 163 173 USA-DA AREA NEAR CASPER,NRYCLDY 20 USA-WY 21 USA-WY 22 USA-CO CVAHADMA CASPER,NRYCLDY 23 USA-CO CVAHADMA CASPER,NRYCLDY 24 USA-CA CVAHADMA CASPER,NRYCLDY 25 USA-CO CVAHADMA CASPER,NRYCLDY 26 USA-CA CVAHADMA CASPER,NRYCLDY 27 USA-CA CVAHADMA CASPER,NRYCLDY 28 USA-CA CVAHADMA CASPER,NRYCLDY 29 USA-CA CVAHADMA CASPER,NRYCLDY 20 USA-WY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 22 USA-CA CVAHADMA CASPER,NRYCLDY 23 USA-CA CVAHADMA CASPER,NRYCLDY 24 USA-CA CVAHADMA CASPER,NRYCLDY 26 USA-CA CVAHADMA CASPER,NRYCLDY 27 USA-CA CVAHADMA CASPER,NRYCLDY 28 USA-CA CVAHADMA CASPER,NRYCLDY 29 USA-CA CVAHADMA CASPER,NRYCLDY 20 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 22 USA-CA CVAHADMA CASPER,NRYCLDY 23 USA-CA CVAHADMA CASPER,NRYCLDY 24 USA-CA CVAHADMA CASPER,NRYCLDY 25 USA-CA CVAHADMA CASPER,NRYCLDY 26 USA-CA CVAHADMA CASPER,NRYCLDY 27 USA-CA CVAHADMA CASPER,NRYCLDY 28 USA-CA CVAHADMA CASPER,NRYCLDY 28 USA-CA CVAHADMA CASPER,NRYCLDY 29 USA-CA CVAHADMA CASPER,NRYCLDY 20 USA-CA CVAHADMA CASPER,NRYCLDY 20 USA-CA CVAHADMA CASPER,NRYCLDY 20 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADMA CASPER,NRYCLDY 21 USA-CA CVAHADM	95	12	USA-PA		42.0N	43	83.			z	19910505	171138				118
14 CANADA-O AREA NEAR HAMILTON A 3.0N 79.5W 40.5N 79.5W 40.10 100 N N 19910505 171246 146 161 15 CANADA-O AREA NEAR HAMILTON A 2.0N 81.0N 39.6M 50.2N 0 100 N N 19910505 171283 146 161 16 USA-DA AREA NEAR HAMILTON A 42.0N 81.0N 39.6M 50.2N 0 100 N N 19910505 17134 146 162 17 USA-DA REFE_ONLY HALF FRAME A 2.0N 81.0N 39.6M 78.2W 30 LO 100 N N 19910505 17134 146 163 18 USA-WY S. BIG HORN MTNS. A 43.6N 107.0M 44.5N 107.8M 30 LO 100 N N 19910505 184029 146 147 19 USA-WY S. BIG HORN MTNS. A 43.6N 107.0M 44.5N 107.8M 30 LO 100 N N 19910505 184029 146 150 21 USA-WY AREA NEAR CASPER-VRYCLDY A AREA NEAR CASPER-VRYCLDY A AREA NEAR CASPER-VRYCLDY A AREA NEAR CASPER-VRYCLDY A AREA NEAR CASPER-VRYCLDY A CLOY FRAME C C C USA-WY C CLOY FRAME C C C USA-WY C CLOY FRAME C C C USA-WY C C C C C C C C C C C C C C C C C C C	95	13	USA-PA		42.0N	43.	83.			Z		171141				118
15 CANADA-O AREA NEAR HAMILTON A13.0N 79.5W 40.2N 78.2W 30 LO 1000 N N 19910505 171324 145 161 16 USA-WY 10SA-WY 18 USA-WY 20 USA-WY 21 USA-WY 22 USA-WY 23 USA-WY 24 USA-WY 25 BIG HORN MTNS. 26 USA-WY 27 USA-WY 28 USA-WY 28 USA-WY 28 USA-WY 29 USA-WY 20 USA-WY 20 USA-WY 20 USA-WY 21 USA-WY 22 USA-WY 24 USA-WY 25 USA-CO WY CLDY FRAME A2.0N 107.0W 44.5N 107.8W 30 LO 100 N N 19910505 184059 146 150 27 USA-WY 28 USA-CO WY CLDY FRAME A2.0N 107.0W 44.5N 107.8W 30 LO 100 N N 19910505 18418 145 28 USA-CO WY CLDY FRAME A2.0N 107.0W 44.5N 107.8W 30 LO 100 N N 19910505 18418 145 29 USA-CO USA-CO USA-CO WY CLDY FRAME A2.0N 107.0W 44.5N 107.8W 30 LO 100 N N 19910505 18418 145 20 USA-CO WY CLDY FRAME A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18418 145 21 USA-OK WY CLDY FRAME A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18418 145 22 USA-CO WY CLDY FRAME A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18418 145 24 USA-OK A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18418 145 25 USA-CO WY CLDY FRAME A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18413 144 174 27 USA-CX A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18413 144 176 28 USA-CX A2.0N 104.5W 36.8W 5 LO 100 N N 19910505 18413 144 174 29 USA-CX A2.0N 104.5W 36.8W 96.8W 5 LO 100 N N 19910505 18413 144 176 21 USA-CX A2.0N 104.5W 36.8W 96.8W 5 LO 100 N N 19910505 18465 143 144 176 21 USA-CX A2.0N 104.5W 104	95	14	CANADA-0		43.0N	40.	79			Z		171246				118
16 USA-DH RAFEA NEAR ASHTABULA 42.0N 81.0W 39.3N 78.5W 30 LO 100 N N 19910505 171311 145 162 18 USA-WY RIVERTON AREA 42.0N 80.0W 39.3N 78.2W 30 LO 100 N N 19910505 171311 145 163 19 USA-WY S.BIG HORN WINS. 44.0N 107.0W 44.6N 108.1W 30 LO 100 N N 19910505 184055 146 140 20 USA-WY S.BIG HORN WINS. 43.5N 107.0W 44.6N 108.1W 30 LO 100 N N 19910505 184055 146 150 21 USA-WY S.BIG HORN WINS. 43.5N 107.0W 44.6N 108.1W 30 LO 100 N N 19910505 184055 146 150 22 USA-WY AREA REA REA 43.5N 107.0W 44.6N 108.1W 30 LO 100 N N 19910505 184055 146 150 23 USA-CO VYY CLDY FRAME 41.5N 103.6W 90 LO 100 N N 19910505 184234 145 156 24 USA-OK CLILLANS RREA 35.5N 97.5W 97.4N 98.8W 5.LO 100 N N 19910505 184230 144 175 25 USA-CA CLILLANS RREA 35.5N 97.5W 97.4N 98.8W 5.LO 100 N N 19910505 184230 144 175 25 USA-CA CLILLANS RREA 36.7N 97.0M 95.8W 80 LO 100 N N 19910505 184231 144 175 25 USA-CA CLILLANS RREA 32.9N 95.6W 40 LO 100 N N 19910505 184231 144 175 26 USA-CA CLILLANS RREA 32.9N 95.7W 95.0W 91.0W N 19910505 184231 144 175 26 USA-CA CLILLANS RREA 32.9N 95.7W 95.0M 91.0W 91.0M N 19910505 184231 144 175 26 USA-CA CLILLANS RREA 32.9N 95.7W 95.0M 91.0W 91.0M N 19910505 184231 144 175 27 USA-CA CLILLANS RREA 32.9N 95.7W 95.0M 91.0M N 19910505 184639 143 191 28 USA-LA FRAME VAP CLOV, MISS. R. 29.3N 91.3W 95.0M 91.0M N 19910505 184699 143 191 31 USA-LA RAME VAP CLOV, MISS. R. 29.3N 91.3W 95.0M 91.0M N 19910505 184699 143 191 32 USA-LA RAME VAP CLOV, MISS. R. 29.3N 91.3W 95.0M 91.0M N 19910505 184699 143 191 34 USA-LA RAME VAP CLOV, MISS. R. 29.3N 91.3W 95.0M 91.0M N 19910505 184699 143 191 35 CUBA SW. TIP OF ISLAND 22.0N 83.0W 28.8N 96.8W 91.0M 019910505 184899 142 218 36 CUBA SW. TIP OF ISLAND 22.3N 86.8W 91.0M 01.0N N 19910505 184081 141 253 36 CUBA SW. TIP OF ISLAND 23.4N 81.4W 14.8N 91.0M 01.	95	15		NEAR	43.0N	5W 40.	79			Z		171253				81
17 USA-PA RERE,ONLY HALF FRAME 42.0N 80.0W 30.3N 78.2W 30 L0 100 N N 19910505 173111 145 163 180 USA-WY S. BIG HORN MTNS. 44.0N 107.0W 44.6N 108.1W 40 L0 100 N N 19910505 184055 146 150 20 USA-WY S. BIG HORN MTNS. 44.0N 107.0W 44.6N 108.1W 40 L0 100 N N 19910505 184055 146 150 150 USA-WY CLDY FRAME TO TYPE AREA TO THE AREA TEXAMENT AND THE AREA TEXAMENT AN	98	16		NEAR	42.0N	39.	78			z	19910505	171304				118
18 USA-WY S.BIG HORN MTNS. 44.0N 107.0W 44.6N 108.1W 40 L0 100 N N 19910505 184055 146 150 2 USA-WY S.BIG HORN MTNS. 43.5N 107.0W 44.6N 108.1W 40 L0 100 N N 19910505 184055 146 150 151 USA-WY AREA CASPER, VRYCLDY AREA CASPER, VRYCLDY G.S. 10.00 N 19910505 184055 146 150 151 USA-WY FIGURAL MEAR CASPER, VRYCLDY G.S. 10.00 N 19910505 184055 184134 145 154 154 154 154 154 154 154 154 15	98	17	USA-PA	HALF	45.0N	OW 39.	78.			Z	19910505	171311				118
19 USA-WY S.BIG HORN MTNS. 44.0N 107.0W 44.6N 108.1W 40 LO 100 N N 19910505 184055 146 150 22 USA-WY FT COLLINS AREA NEAR CASPER,VRYCLDY FT COLLINS AREA NEW 5.0N 105.6W 90 LO 100 N N 19910505 184184 145 156 156 0SA-OK STILLWATER AREA 35.5N 97.0W 36.8N 5.0N 0.00 N N 19910505 184205 144 168 158 USA-OK LAKE TRAMAKONI AREA 35.5N 97.0W 36.8N 98.2W 5.0L 100 N N 19910505 18432 144 173 144 173 144 174 174 174 174 174 174 174 174 174	92	18	USA-WY		3N	.3W 45.	109.			z		184029				61
20 USA-WY S.BIG HORN MTNS. 43.5N 107.0W 44.5N 107.0W 44.5N 107.0W 44.5N 107.0W 44.5N 107.0W 40.10 N 19910505 184059 146 154 21 USA-WY FRACO FRANEA NERA REA 40.5N 10.10 N N 19910505 184205 145 154 22 USA-CO VRY CLDY FRAME 40.5N 10.4N 90.10 00 N N 19910505 184205 145 158 24 USA-CO VICAHOMA CITY AREA 35.5N 97.6W 37.5W 37.0N 98.8W 5.0 10.00 N 19910505 184205 144 168 26 USA-OK LAKE TAWARONI AREA 35.5N 95.0W 35.3N 96.6W 20.0 10.00 N 19910505 184205 144 168 26 USA-CA LAKE TAWARONI AREA 35.5N 95.6W 40.00 10.00 N 19910505 184333	95	19	USA-WY	S.BIG HORN MTNS.	4.0N	44	108.			z	19910505	184055				119
21 USA-WY AREA NEAR CASPER, VRYCLDY 42.9N 105.6W 80 LO 100 N 19910505 184134 145 156 22 USA-CO VRY CLDL INS AREA 40.5N 104.8W 42.3N 104.7W 60 LO 100 N 19910505 184134 145 156 24 USA-CO VRY CLDY FRAME 35.5N 97.0W 36.8N 98.8W 50 100 N 19910505 184310 144 156 24 USA-OK LAKE TKAMAKONI AREA 36.6N 97.0W 36.3N 96.6W 20 100 N 19910505 184312 144 173 25 USA-OK LAKE TKAMAKONI AREA 35.7W 37.0W 35.3N 96.6W 20 100 N 19910505 184313 144 173 26 USA-CA LAKE TAMAKONI AREA 32.9N 35.7W 31.7N 93.2W 60 10 10 N 19910505 184313 144 <td>95</td> <td>20</td> <td>USA-WY</td> <td>S.BIG HORN MINS.</td> <td>. 5N</td> <td>44</td> <td>107.</td> <td></td> <td></td> <td></td> <td>19910505</td> <td>184059</td> <td></td> <td></td> <td></td> <td>119</td>	95	20	USA-WY	S.BIG HORN MINS.	. 5N	44	107.				19910505	184059				119
22 USA-CO FT.COLLINS AREA 40.5N 104.8W 42.3N 104.7W 60 LO 100 N 19910505 184148 145 156 23 USA-CO VRY CLDY FRAME 41.5N 10.3 6W 90 LO 100 N 19910505 184205 145 158 24 USA-OK STILLWATER AREA 35.5N 97.5W 35.N 97.5W 30.0 97.0W 35.N 98.8W 5 LO 100 N 19910505 184312 144 168 25 USA-OK LAKE TEXMAR AREA RED 36.CN 97.0W 35.3N 95.6W 20 LO 100 N 19910505 184413 144 178 26 USA-DX LAKE TEXMAKONI AREA 32.9N 35.7W 30.LO 100 N 19910505 184433 144 178 28 USA-LA FRAME VRY CLDUY 31.3N 93.7W 31.1W 95.2W 0.100 N 19910505 184605	95	21	USA-WY	CASPER		42.	105.			z	19910505	184134				19
23 USA-CO VRY CLDY FRAME 41.5N 103.6W 90 LO 100 N N 19910505 184205 145 158 24 USA-OK OKCAHOMA CITY AREA 35.5N 37.5W 37.4N 98.8W 5 LO 100 N N 19910505 184330 144 168 25 USA-OK CAKAHOMA AREA, RED R. 36.0N 97.0W 35.3N 96.6W 0 LO 100 N N 19910505 184413 144 173 26 USA-TX LAKE TAXARANA AREA, RED R. 34.0N 95.7W 35.8N 96.6W 0 LO 100 N N 19910505 184433 144 173 28 USA-TX TOLEDO BEND RESERVOIR 31.3N 95.6W 0 LO 100 N N 19910505 184535 144 185 30 USA-LA FRAME VRY CLDY, MISS. R. 29.5N 91.1W 95.0L 100 N N 19910505 184609 143 191 31 USA-LA FRAME VRY CLDY, MISS. R. 29.5N 91.1W 95.0L 100 N N 19910505 184609 143 191 32 USA-LA FRAME VRY CLDY, MISS. R. 29.5N 91.1W 95.0L 100 N	96	22	USA-CO		. 5N	.8W 42	104.			z	9910505	184148				19
24 USA-OK OKLAHOMA CITY AREA 35.5N 97.5W 37.4N 98.8W 5 LO 100 N N 19910505 18433 0144 168 25 USA-OK LAKE TEXOMA AREA, RED 36.0N 97.0W 36.8N 98.2W 20 LO 100 N N 19910505 18433 144 173 26 USA-OK LAKE TEXOMA AREA, RED 32.9N 95.7W 36.3N 96.6W 20 LO 100 N N 19910505 18433 144 173 27 USA-TX LAKE TAWAKOLI AREA 32.9N 95.7W 34.3N 96.6W 20 LO 100 N N 19910505 184653 144 173 29 USA-TX TOLEDO BEND RESERVOIR 31.3N 93.7W 31.7N 93.2W 60 LO 100 N N 19910505 184609 143 191 29 USA-LA FRAME VRY CLOY, MISS. R. 29.5N 30.1W 95.7W 90.1W 10.00 N N 19910505 184609 143 191 31 USA-LA MISS. RIVER DELTA 29.0N 89.0W 28.8N 0.00 100 N N 19910505 184609 142 213 34 CUBA SW. ITP OF ISLAND <td>98</td> <td>23</td> <td>USA-CO</td> <td></td> <td></td> <td></td> <td>103.</td> <td></td> <td></td> <td>Z</td> <td>19910505</td> <td>184205</td> <td></td> <td></td> <td></td> <td>119</td>	98	23	USA-CO				103.			Z	19910505	184205				119
25 USA-OK STILLWATER AREA 36.CN 97.0W 36.8N 98.2W 20 LO 100 N 19910505 184432 144 169 26 USA-OK LAKE TEXOMA AREA, RED R. 34.0N 97.0W 35.3N 96.6W 20 LO 100 N 19910505 184413 144 173 27 USA-TX LAKE TAWAKONI AREA 32.9N 95.7W 34.3N 95.6W 40 LO 100 N 19910505 184433 144 173 28 USA-TX TOLEDO BEND RESERVOIR 31.3N 93.7W 31.7N 93.2W 60 LO 100 N 19910505 184523 144 173 29 USA-LA FRAME VRY CLOUDY S. 29.5N 91.3W 90.10 N 19910505 184505 184505 184505 184505 184505 184505 184505 184505 184505 184505 184505 184505 184505 184505 184505	35	24	USA-OK		35.5N	37.	98.			z	19910505	184330				19
26 USA-OK LAKE TEXOMA AREA, RED R. 34.0N 97.0W 35.3N 96.6W 20 LO 100 N N 19910505 184413 144 173 27 USA-TX LAKE TAWAKONI AREA 32.9N 95.7W 34.3N 95.6W 40 LO 100 N N 19910505 184433 144 176 28 USA-TX TOLEDO BEND RESERVOIR 31.3N 93.7W 31.7N 93.2W 60 LO 100 N N 19910505 184531 144 183 29 USA-LA FRAME VRY CLODY S. 29.5N 91.3W 95.1D 100 N N 19910505 184608 143 191 31 USA-LA FRAME VRY CLDY, MISS. R. 29.5N 91.3W 95.1D 100 N N 19910505 184608 143 191 32 USA-LA FRAME VRY CLDY, MISS. R. 29.5N 91.3W 95.1D 100 N N 19910505 184608 143 191 34 USA-LA MISS. RIVER DELTA 29.0N 89.0W 28.8N 90.0M 28.8N 90.0W 28.8N 90.0W 28.8N 90.0W 28.8N 90.0W 28.	95	25	USA-OK		36.CN	36.	98.			z	19910505	184342				119
27 USA-TX LAKE TAWAKONI AREA 32.9N 95.7W 34.3N 95.6W 40 LO 100 N N 19910505 184433 144 176 LO LO LO LO LO LO LO LO LO LO LO LO N N 19910505 184523 144 183 185 30 USA-LA FRAME VRY CLOUDY FRAME VRY CLDY,MISS. R. 29.0N 89.0W 28.8N 90.7W 30 LO 100 N N 19910505 184609 143 191 32 USA-LA MISS.RIVER DELTA SW.TIP OF ISLAND 21.8N 84.5W 23.4N 86.6W 60 LO 100 N N 19910505 184806 142 213 35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.3W 60 LO 100 N N 19910505 184806 142 216 36 CUBA SW.TIP OF ISLAND 22.2N 83.0W 22.4N 85.8W 60 LO 100 N N 19910505 184819 142 219 37 CUBA SW.TIP OF ISLAND 22.2N 83.0W 22.4N 85.8W 60 LO 100 N N 19910505 184819 142 219 37 CUBA SW.TIP OF ISLAND 22.2N 83.0W 22.4N 85.8W 60 LO 100 N N 19910505 184819 142 219 37 CUBA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N N 19910505 185041 141 253	95	97		TEXOMA AREA, RED	4	.0W 35.	96					184413	₩.			19
29 USA-LA FRAME VRY CLOUDY 31 USA-LA FRAME VRY CLOUDY 32 USA-LA FRAME VRY CLOVEN 31 USA-LA FRAME VRY CLOVEN 32 USA-LA FRAME VRY CLOVEN 32 USA-LA FRAME VRY CLOVEN 33 USA-LA FRAME VRY CLOVEN 34 USA-LA FRAME VRY CLOVEN 35 USA-LA FRAME VRY CLOVEN 36 USA-LA FRAME VRY CLOVEN 37 USA-LA FRAME VRY CLOVEN 38 USA-LA FRAME VRY CLOVEN 39 USA-LA FRAME VRY CLOVEN 39 USA-LA FRAME VRY CLOVEN 30 USA-LA FRAME VRY CLOVEN 31 USA-LA FRAME VRY CLOVEN 32 USA-LA FRAME VRY CLOVEN 33 CUBA SW. TIP OF ISLAND 21.8N 84.5W 23.8N 86.8W 60 LO 100 N N 19910505 184619 143 193 193 194 194 194 194 194 194 194 194 194 194	95	27		LAKE TAWAKONI AREA	2	34.	95.			z		184433				119
29 USA-LA FRAME VRY CLOUDY 31.1N 92.7W 90 LO 100 N N 19910505 184606 143 191 30 USA-LA FRAME VRY CLDY,MISS. R. 29.5N 91.3W 95 LO 100 N N 19910505 184606 143 191 31 USA-LA FRAME VRY CLDY,MISS. R. 29.3N 91.1W 95 LO 100 N N 19910505 184609 143 191 32 USA-LA MISS.RIVER DELTA 29.0N 89.0W 28.8N 90.7W 30 LO 100 N N 19910505 184619 143 193 33 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.8N 86.8W 60 LO 100 N N 19910505 18480 142 214 35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.8W 60 LO 100 N N 19910505 18480 142 214 36 CUBA SW.TIP OF ISLAND 22.2N 83.0W 22.4N 85.8W 50 LO 100 N N 19910505 184819 142 219 36 CUBA ISLE OF PINES 21.7N 82.8W 22.1N 85.0 10.00 N N 19910505 185041 141 253	95	28	USA-TX	ND RESERVOI	Η.	3.7W 31.	93.			2	19910505	184523				19
30 USA-LA FRAME VRY CLDY,MISS. R. 29.5N 91.3W 95 LO 100 N N 19910505 184606 143 191 191 31 USA-LA FRAME VRY CLDY,MISS. R. 29.3N 91.1W 95 LO 100 N N 19910505 184609 143 191 191 32 USA-LA MISS.RIVER DELTA 29.0N 89.0W 28.8N 90.7W 30 LO 100 N N 19910505 184619 143 191 191 33 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.8N 86.8W 60 LO 100 N N 19910505 184800 142 213 213 35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.8W 60 LO 100 N N 19910505 184800 142 214 214 36 CUBA SW.TIP OF ISLAND 22.2N 83.0W 22.4N 85.8W 60 LO 100 N N 19910505 184819 142 219 216 36 CUBA ISLE OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 219 220 38 CUBA ISLA DE PROVIDENCIA 13.4W 14.6N 80.7W 80.10 N N 19910505 185041 141 241 253	95	59	USA-LA	٧RY			92.			z	19910505	184535	8			119
31 USA-LA HISS.RIVER DELTA 29.0N 89.0W 28.8N 90.7W 30 LO 100 N N 19910505 184619 143 191 193 32 USA-LA MISS.RIVER DELTA 29.0N 89.0W 28.8N 90.7W 30 LO 100 N N 19910505 184619 143 193 33 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.4N 86.6W 60 LO 100 N N 19910505 184800 142 213 34 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.3W 60 LO 100 N N 19910505 184806 142 214 35 CUBA GULF OF BATABANO 22.2N 83.0W 22.4N 85.8W 60 LO 100 N N 19910505 184819 142 219 37 CUBA ISIE OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 220 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N N 19910505 185041 141 253	95	30		VRY CLDY, MISS.			91.			z	19910505	184606	es			119
32 USA-LA MISS.RIVER DELTA 29.0N 89.0W 28.8N 90.7W 30 LO 100 N N 19910505 184619 143 193 33 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.8N 86.8W 60 LO 100 N N 19910505 184753 142 213 34 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.4N 86.6W 70 LO 100 N N 19910505 184800 142 214 35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.3W 60 LO 100 N N 19910505 184806 142 216 36 CUBA GULF OF BATABANO 22.2N 83.0W 22.4N 85.8W 50 LO 100 N N 19910505 184819 142 219 37 CUBA ISIE OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 220 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N N 19910505 185041 141 253	95	31		VRY CLDY, MISS.						z	19910505	184609				119
33 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.8N 86.8W 60 LO 100 N N 19910505 184753 142 213 34 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.4N 86.6W 70 LO 100 N N 19910505 184800 142 214 35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.3W 60 LO 100 N N 19910505 184806 142 216 36 CUBA GULF OF BATABANO 22.2N 83.0W 22.4N 85.8W 50 LO 100 N N 19910505 184819 142 219 37 CUBA ISIE OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 220 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N N 19910505 185041 141 253	95	32	USA-LA	Œ	29.0N	28.	90			z	19910505	184619				119
34 CUBA SW.TIP OF ISLAND 21.8N 84.5W 23.4N 86.6W 70 LO 100 N N 19910505 184800 142 214 35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.3W 60 LO 100 N N 19910505 184806 142 216 36 CUBA GULF OF BATABANO 22.2N 83.0W 22.4N 85.8W 50 LO 100 N N 19910505 184819 142 219 37 CUBA ISIE OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 220 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N 19910505 185041 141 253	95	33	CUBA		21.8N	4.5W 23.	86.			z	19910505	184753				119
35 CUBA SW.TIP OF ISLAND 22.0N 84.0W 23.1N 86.3W 60 LO 100 N N 19910505 184806 142 216 36 CUBA GULF OF BATABANO 22.2N 83.0W 22.4N 85.8W 50 LO 100 N N 19910505 184819 142 219 37 CUBA IS!E OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N 19910505 184824 142 220 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N 19910505 185041 141 253	92	34	CUBA		21.8N	23	86.			z	19910505	184800				119
36 CUBA GULF OF BATABANO 22.2N 83.0W 22.4N 85.8W 50 LO 100 N N 19910505 184819 142 219 37 CUBA ISLE OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 220 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N N 19910505 185041 141 253	95	35		P 0F	22.0N	23	86.			z	19910505	184806				61
37 CUBA IS'E OF PINES 21.7N 82.8W 22.1N 85.6W 60 LO 100 N N 19910505 184824 142 220 38 CARIBBEAN SEA 162 185041 141 253	95	36		0F B	22.2N	.0W 22	85.			z		184819				119
5 38 CARIBBEAN SEA ISLA DE PROVIDENCIA 13.4N 81.4W 14.6N 80.7W 50 LO 100 N N 19910505 185041 141 253	95	37		<u>_</u>	21.7N	.8W 22	85.			z		184824				19
	98	38	CARIBBEAN SEA	_ 	•	. 4W 14	80.			z	19910505	185041				19

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

R	FR	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON	CC TL FL	E S	DATE	GMT	AL	AZ SUN	_ E	OR
95	39	BRAZIL	IN BASIN, CULT		7.85	i	70 LO 100	N N 19	9910505	185721	141	298	_ص	119
95	40	BRAZIL	N BASIN, CULT. FLD		8.5			N 19	910505	185734	141	588		119
95	41	BOLIVIA	N BORDER WITH BRAZIL		11.1	65	40 LO 100	N 19	19910505 1	185820	141	300	50	119
95	42	BOLIVIA	N BORDER WITH BRAZIL		12.0S	S 65.0W				185836	141	301		119
95	43	BOLIVIA	SWAMP, INTERIOR DRAINAGE		13.0	S 64.4W		N N 19		185855	141	301	8	119
98	44	PARAGUAY	ROAD, BRIDGE CONSTRUCTION		3	S 55.8W			19910505 1	190246	142	305		119
98	45	BRAZIL	LAGOS DOS PATOS		30.		2	N N 19	910505	190329	142	305		119
95	46	BRAZIL	LAGOS DOS PATOS	31.25 51	₩.		2			190400	143	305		119
95	41	BRAZIL	AREA S.LAGUNA MERIN	32.05 54	4.0W 30.4S		40 LO 100	N N 19	19910505	190419	143	305	27	119
95	48	ARGENTINA	RIO DE LA PLATA	34.65 57	.5W 31.4	S 51.0W	10 LO 100	N N 19	910505	190437	143	304	26 1	119
95	49	ARGENTINA	RIO DE LA PLATA	35.05 57	7.0W 32.0S	NG.09 S	20 LO 100	N N 19	910505	190449	143	304	26 1	119
95	50	USA-CA	.0F	. 2N 1	.4W 35.	N 119.6W	5 LO 100	N 19	910505	201349	144	172	64 1	120
96	51	USA-CA	œ		.0W 34.			N N 19	910505	201414	144	176	65	120
95	52	USA-CA			30			N N 19	910505	201424	144	177	66	120
95	53	USA-CA	SANTA SUSANA AREA	34.3N 118	8.6W 33.5N		0 LO 250	Z Z	9910505 2	201428	144	178		120
95	54	USA-CA	LOS ANGELES, LONG BEACH	N6.	.2W 3		2	z	910505	201435	144	179		120
92	55	USA-CA	RIVERSIDE AREA	33.8N 117	₹.			N N		201438	144	179		120
98	99	USA-CA	RIVERSIDE AREA	34.0N 117	¥.	N 117.0W	2	N N		201442	144	180		120
96	21	USA-CA	ONTARIO AREA	. 2N	.4W 32.	N 116.9W	0 10 250	Z	910505	201444	144	180		120
95	58	USA-CA	SAN BERNADINO AREA	34.0N 117	.2W	N 116.8W		N N 19	910505	201447	144	181	67	120
95	29	USA-CA		33.8N 117	. 4 ₩	116.		Z Z		201453	144	182		50
92	90	USA-CA			₹.	116.	2	7 2		201457	144	182		120
98	61	USA-CA		8. 8.	.OW 31.	115.	0 LO 250	z		201505	144	183		120
95	62	USA-CA	ш		₹		2	2 2		201508	143	184		120
95	63	USA-CA	MOJAVE DESERT	8.	.0M 30.		2	Z Z	910505	201521	143	186		120
95	64	USA-CA	PANORAMA, LA BASIN, MTNS		.OM 30.		2	Z Z	910505	201530	143	188		120
95	65	USA-CA	LA AREA		3.	114	2	z		201536	143	189		120
92	99	USA-CA	PANORAMA, SALTON SEA AREA		.5W 27.	112	L0 2	z	10505	201626	143	198		120
95	67	USA-CA	SAN.	N O.	.5W 27.	112		N N 19	910505	201632	143	199		120
96	68	USA-CA	PANORAMA, SAN DIEGO, MOJAV	33.3N 116	5.5W 26.7N	N 111.8W	20 HO 250	N N 19	910505	201639	143	201	71	70
9.5	9	USA-CA	PANORAMA SALTON SEA AREA	32 7N 115	5 3W 26 5N	N 111, 7W	20 HO 250	2	19910505	201642	143	201	11.	120
8 8	20	IN P IN	111	32 AN	2 L 25		9			201654	143	204		120
	? -	KEXICO		5	25		9	2 2		201702	143	206		120
9 9	72	MEXICO	SARFA	26.0M 109	OW 23		2	2		201737	142	214		120
8 8	7.7	MEXICO	ARFA		3		2	: z		201802	142	220	, ~	120
95	74	MEXICO	REA	20.8N 103	5W 18		2 2	: z		201914	142	238		120
95	75	PACIFIC OCEAN			4		2	z		202558	140	295	_	120
95	91	SOUTH AMERICA	PANORAMA, W. COAST, ANDES		25.15					203217	142	305		120
95	77		PANORAMA, W. COAST, ANDES		•	78.	오	N 15	10505	203223	142	305	4	120
95	78	SOUTH AMERICA	PANORAMA, W. COAST, ANDES		26.5	M6' L/ S	50 HO 100	N 15	9910505	203244	142	305	- 1	20

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER	NADIR	~						SE] ,	Γ
ಷ	ي	GEOGRAPHIC NAME	- 1	LAT LON	LAT	LON	- 1	ш	ı	EW E	- 1	١	- [š
95	79				27.08	•				203254				0
92	80		PANORAMA, CHILE, ANDES		28.35	•		2						_ 0
95	81	SOUTH AMERICA	PANORAMA, CHILE, ANDES		29.85	75.2W		100 N N		203347				_ o
95	82	CHILE	ANDES MTNS.		30.95	74.2W	70 LO	100 N N	1 19910505	203408		305		0
95	83	CHILE	ANDES MINS E. OF RANCAGA	34.3S 70.0W	33	72.0W	5 LO	100 N N	1 19910505	203457	143 3	304	24 12	120
98	84	ARGENTINA	MTNS, LK	.25 69.	33	71.6W		Z		203504	143 3	304	23 120	0
95	85	ARGENTINA	S.LK	4.25	34	71.1W		Z		203514	143 3	304	23 120	•
95	86	ARGENTINA	MTNS.	.05 70.	34	70.7W		Z		203523	143 3	304	22 120	<u>۔</u>
96	87	ARGENTINA		. 6S	35	70.3W		Z						_
95	88	ARGENTINA	S	.05 70.	35			Z	•					
95	83	ARGENTINA	ANDES MTNS	36.5S 70.5W	35.95	MG. 69	0 - 10	100 N N	1 19910505	203547	143 3	304	21 120	
95	06	ARGENTINA		SO	36.25	69.1W		100 N N	19910505	203554	144 3	304	20 120	_ o
96	91	ARGENTINA	COMP. RE		37.55	67.7W				203621	144 3		18 120	•
95	95	USA-HI	PANORAMA, CLOUD PATTERNS	.5N	16.6N	150.2W	60 HO	100 N N	1 19910505	231907	142 2	247	74 122	2
95	93	USA-HI		NO.	16.2N	150.0W	60 HO	100 N N	19910505	231914	142 2	249	73 122	<u>.</u>
95	94	PACIFIC OCEAN	DISSIPATING T-STORM CELL		12.25 1	178.7W	20 09	100 N N	1 19910506	022704	141 3	303 '	48 124	4
95	95	PACIFIC OCEAN	CLDS, WATER, SUNGLINT		14.55 1	177.3W	70 L0	100 N N	1 19910506	022744	141 3	304	46 124	4
95	96	USSR-MIDDLE		58.2N 69.0E	57.3N	67.9E	0 CO	100 N N	19910506	033047	148	98		يو
95	97	USSR-MIDDLE	MALAYA BICHA, IRTYSH RIVR	58.0N 70.0E	57.3N	69.0E	0 F0	100 N N	19910506	033056	148		24 125	مَ
95	86	USSR-MIDDLE	TOBOLSK AREA, IRTYSH RIVR	58.4N 69.2E	£7.3N	70.2E	0 0	100 N N	19910506	033106	148	97	24 125	က္
					,	!					;			
95	66	USSR-MIDDLE	Ħ	8	57.2N	71.4E		Z		033116			25 125	<u>۔</u>
95	100	USSR-MIDDLE		90	55.4N	87.6E			19910506	033333	148	115	34 12	<u>۔۔</u>
95	101	USSR-MIDDLE	ACHINSK AREA	56.0N 90.0E			30 LO	Z						
96	0 A		CARGO BAY		Z	119.1W	2			155623				<u>۔</u>
96	-	CANADA-S	LOCHE, ICE ON	108.	56.4N			Z	~	155751				53
96	7	CANADA-S		.5N 109.	56.5N	108.3W		Z	-	155759			29 5	<u>ن</u>
96	ო	CANADA-S	ICE ON	.5N 109.	26.6N	107.6W		100 N N	-	155805				ဗ္
96	4	CANADA-S	TERRAIN, NEW	.5N 104.	96.9N				_	155833				<u>س</u>
96	ა	CANADA-S	TERRAIN, NEW	56.5N 104.5W	57.0N	103.7W		100 N N	_	155839			32 5	۔ ج
96	တ	CANADA-S	GLACIATED TERRAIN, NEW RD	56.4N 104.5W	57.0N	103.0W	10 10	100 N N	19910501	155845	143 1	112		
96	7	CANADA-0	NATASHOUAN AREA	50.0N 62.0W	# 51.4N	59.8W	0 0	100 N N	19910501	160520	142 1	168	50 5	 س
96	00	CANADA-0		.0N 62	51.	59.3W		100 N N	-	160526	142 1	169		<u>س</u>
96	o	CANADA-0	z	62	90.9N	58.7W		100 N N	1 19910501	160533	142 1	170	51 5	<u>س</u>
96	10	•	BLANK FRAME		49.4N	55.2W	9	100 N N	19910501	160615	142 1	176		<u>ن</u>
96	11	ATLANTIC OCEAN	CLOUD PATTERNS		25.7N	26.6W	07 66		19910501	161434	138 2	249	55 5	<u>ښ</u>
96	12	ATLANTIC OCEAN	CLOUD PATTERNS		5.3N	26.3W	07 66	100 N N	19910501	161441	138 2			<u>ت</u>
96	13	ATLANTIC OCEAN	CLOUD PATTERNS		25.0N	26.1W 1	100 LO	100 N N	19910501	161447	138 2	251		<u>ښ</u>
96	14	ATLANTIC OCEAN	PA		1 N	25.4W	40 LO	100 N N	19910501	161504	137 2			63
96	15				. 8N	5.			19910501	161510	_	~	55 5	53
96	16	ATLANTIC OCEAN	CLOUD PATTERNS		23.4N	24.9W	90 CO	100 N N	19910501	161517	137 2	254		
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

															١	
2	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	ER LON	NADIR LAT LON	, o	CC 1L	П	S	DATE	GMT	AL	AZ SUN	ᇤ	OR OR
96	17	GUINEA BISSAU	ARQUIPELAGO DOS BIJAGOS	11.0N	3	10.3N 1	16.4W	2	250 N	٦,	-	161914	136	ļ	l	65
96	18	GUINEA BISSAU	AGO DOS	11.0N	16.0W		16.2W	07 0		N 19910501		161921	136			53
96	19	GUINEA BISSAU		10.6N	15.9W	9.6N 1	16.0W	0 0	250 N	N 19910501		161927	136	276 4		က
96	20		CARGO BAY		47	57.2N 12	123.0W	2	250 N	N 19910501	•	172837	142			54
96	21	CANADA-A	PEACE RIVER AREA	56.0N	117.0W 5	57.3N 11	115.7W	0 0	100 N	N 19910501	-	172939	142			54
96	22	CANADA-S	GLACIATED AREA		104.5W 5	56.5N 10	104.0W		100 N	N 19910501		173119	142			4
96	23	CANADA-S	GLACIATED AREA	56.5N	104.5W 5	56.4N 10	103.3W	20 02	100 N		19910501	173125	142		41 5	4
96	24	CANADA-S	GLACIATED AREA, DEEP BAY	56.2N			102.3W	0 0	100 N	N 1991		173134	142			4
96	25	CANADA-Q	ST.LAWRENCE R., LK.ST.PET	46.2N	72.8W 4		72.4W	20 LO	100 N	-	9910501 1	173655	141		54 5	4
96	97	CANADA-Q	ST.LAWRENCE R.,LK.ST.PET	46.2N	72.8W 4		72.0W	20	100 N	N 19910501		173701	140	187	54 5	4
9	,,	0-40446	TEG IS A G BONDOMO IS	AG 2M	7 MG 61	46 1M 7	71 FW	07 06	100	N tootosot		173708	140	188	5.4	4
96	200	ATT ANTTO OCEAN				. 0						173903	130			٩
96	29		MOSTLY CLOUDY		. 4		63.74			1991 N		173909	139			4
96	30	_	CLOUDY		4							173915	139			54
96	31		DARK FRAME		-		9		_			131047	136			67
96	32	SUDAN	DUST, CLOUDS				25.1E	30 LO	100 N	N 1991	9910502 1	131149	135			67
96	33	SUDAN	OUST, CLOUDS				25.4E	50 LO	100 N		19910502	131157	135	266	55 6	67
96	34	SUDAN	DUST, CLOUDS			9.9N 2	25.7E	50 LO	100 N		19910502	131205	135	267		19
96	35	SUDAN	DUST, CLOUDS, HAZE			NO.	26.2E	20 07	100 N	_	9910502	131221	135			67
96	36	SUDAN	CLOUDS, HAZE			8.8N 2	26.3E	90 CO	100 N		19910502 1	131225	135	269	53 6	67
96	17	NOID	CLOUDS HAZE DABK ERAME			AN A	26. GF	0	100 N	1001 N	19910502	131232	135	269	7.3	67
2 4	5 6		CLOODS, HALL COME I WANTE					3 5		•		101101	2 4			
200	0 0	NACOS CONTRACTOR	CLOODS							٠,		607101	200			2 5
o 4	5 5	SUDAN	CLUUUS			7 NO. /	27.UE 1	100 50	2 001		19910502	131240	135	2/1/2	20.4	7 4
96	? ;	NACIOS	CLUUDS DARK FRANK				17.65					707101	120			
9 0	7 5		DAKK FRAME			20.	30.45	3 9				131430				2 5
- u	74		OUT OF FOCUS			2 27.1	36. it	3 9	2 2	19910502 M		131522	135	707	0 4	/0
9	. A		TOTAL CLOID COVER					נים נים				131524	125			, (4
96	4.5	TANZANIA	S. I.K. VICTORIA NR. MWANZE.	2.55	32 SF	· ·	: '	2	_			131542	135			. 2
96	46	TANZANIA	CLOUDY			7.5	. 8	2		N 19910502		131550	135			67
9	47	TANZANIA	CLOUDY, SHADOWS, HAZY			3,25,3	33.3F	01 08	100 N	N 19910502		131558	135	283 4	44	67
9	48	TANZANIA	CLOUDY SHADOWS HAZY			. v	. 4	2	100	N 19910502		131605	135			. 2
9	4	TANZANTA	CLOUDY SHADOWS HAZY				; ;	2 2	100			31611	135			. 2
96	50	TANZANIA	CLOUDY, SHADOWS, HAZY				96	9	100 N	N 19910502		131617	135			67
96	51		DARK FRAME				3 3	2	100 N			131702	135			67
96	52	TANZANIA	MTNS. TERRAIN						100 N			131740	135			67
96	53	TANZANIA	MTNS.TERRAIN	10.05	37.0E		.8E		100 N			131745	135	288 3	39 6	67
96	54	TANZANIA		10.0S			9E	20	100 N			131750	135			67
96	55	TANZANIA	RIVER	10.05	.0E	9.95	. 2E	2	100 N	N 19910502		131757	135			67
96	26	TANZANIA	NJENJE RIVER AREA	10.05	37.0E 1	- 1	37.3E	20 LO	100 N	N 19910502	- 1	131802	135	288 3	9 88	67

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

					91.6							NII		Γ
R	FR GEOGRAPHIC NAME	FEATURE	LAT LON	LON LAT LO	LON	CC TL	FL E	S DATE		GMT A	L AZ		e S	~
	•		11.05	. 5E	37.6E		z	***					90	_
		0	11.05	.0E 10	37.8E		z	-		-				_
	59 TANZANIA	RUVUMA R. AND DRAINAGE	11.05	38.0E 11.2S	38.0E	20 LO	100 N	N 19910502		131822 1	135 2			_
96	60 TANZANIA	DARK FRAME		.0E 11			Z	N 19910502						_
	61 USA-WA	BELLINGHAM AREA		122.5W 47.9N	123.9W		100 N	-			141 1			~
	62 USA-WA	SEATTLE, TACOMA AREA	47.3N	.2W 47		2 FO		N 19910502		202703 1	141			~
	63 USA-WA	EVERETT AREA	48.0N	122.0W 47.5N			z				141			~
	64 CANADA-BC	OKANAGAN LAKE AREA	8	119.5W 47.2N	122.5W	0 0	z	N 19910502		202715 1	140 1		8 72	~
96	65 USA-NM	WHITE SANDS AREA	32.8N	106.0W 33.2N	104.7W	0 0	250 N P	N 19910502			138 1			
96	66 USA-NM	WHITE SANDS AREA	32.7N	106.4W 33.1N	104.6W	0 0	250 N P	N 19910502		203217 1	138 1	199 59		~
9 96	67 USA-NM	LAS CRUCES AREA		106.8W 32.8N	104.3W	07 0	250 N	N 19910502		203223 1	138 2	200 60		
96	68 USA-TX	EL PASO AREA	1.7N	106.5W 32.4N	104.0W	0 0	250 N I	N 19910502		203229 1	138 2	201 60		<u>.</u>
96	69 USA-TX	GUADALUPE MINS AREA		104.9W 32.2N	103.8W	0 0	250 N	N 19910502		203234 1	138 2	202 60		
	70 PERU	CLOUDY		16.45		100 LO	z	N 19910502		204714 1			5 72	_
		COAST NW. OF TACNA	17.55				z							_
	72 PERU	NW.OF TACNA, OV. EXPOSED	17.75	3€	71.7W	30 LO	z	N 19910502						
96	_	INTER-MTN.BASINS	26.55	Mg.	66.1W	0 00	z							~
		INTER-MTN.BASINS	26.58	67.5W 26.1S	65.5W		z							~
	_	FRAME TOO DARK			•	2	z	N 19910503						
2 96	76 USA-MI	FRAME TOO DARK		42.1N	85.6W	2	250 N	N 19910503		110513 1	143	63 -15		~
		8				-	:	•		•			è	
		3		42.8N	•	3 :	z :	50501881 N					70	
	_	8		42.9N	•	2	2							~
		00		43.0N	•	2	Z	-						~ .
	80 USA-MI	5		43.1N	84.2W	2	z	N 19910503					3 82	
8 96	_	50		43.2N	84.0W	2	z	-						
	82 USA-MI	5		43.9N	•	2	Z	N 19910503					2 82	~
		FRAME TOO DARK		44.0N	82.9W	2	Z	-						~
	_	DARK, PORT		82.5W 44.3N	•		z	N 19910503						~
8 96	85 USA-MI	DARK, LAKE ST.	42.5N	82.8W 44.4N		0 0	Z	_	က		<u>«</u>	4	2 82	_
	36 USA-MI	TOO DARK, DETROIT AREA	42.2N	82.6W 44.6N	82.0W	0 0	250 N P	N 1991050	က	110609 1	143	64 -11		
96	37 USA-0H	PANORAMA, LK. ERIE AREA		46.0N	79.8W	30 HO	250 N P	N 19910503		110641 1	143	65 -9		
	88 USA-0H	PANORAMA, LK. ERIE AREA		46.8N	78.3W	40 HO	250 N P	N 19910503		1107011	144	65 -8	8 82	۵.
	39 USA-0H			47.3N	77.5W	40 HO	250 N P	N 19910503		110713 1	144	65 -7		-
	90 USA-OH			47.3N	77.4W	40 HO		N 19910503		110714 1	144			
6 96		PANORAMA, LK. ERIE AREA		47.5N	77.0W		z	N 19910503						
		CONTRAILS, HAZY, CLOUDY		51.7N	. 2E		z	-						<u> </u>
		CLOUDY, HAZY			5.5E		z	_						
		AREA AROUND VODICE	44.0N	.0E	16.9E		Z	N 19910503						
9 (s c	PENINSULA NE. OF FOGGIA	41.8N	5.9E 42	•		250 N P	N 19910503		~ (~ .
96	96 GREECE	PELOPONNISOS, NEAPOLIS	36.6N	23.2E 3/.4N	23.9E	0 0	250 N	N 19910503	- 1	112522 1	143 1	16/ 5	φ 1	

TABLE 4-3.- STS-39 HANDHELD PLOTOGRAPHY SORTED BY AOLL AND FRAME (Continued)

				CENTER	NAD	IR							SUN		
R	FR	GEOGRAPHIC NAME	- 1	- 1	- 1	NO.	23	1	ļ	DATE	GMT	AP P	AZ	ᆈ	8
96	97	CRETE	END OF ISLAND	35.1N 26.1E	34.6N	26.8E	0 0		z	15910503	112618	143	175		82
97	1	ATLANTIC OCEAN	CLOUDY		56.8N	13.4W	95 HO	100	z	19910506	093054	147	105		129
97	7	ATLANTIC OCEAN	CLOUDY		56.8N	13.2W	95 HJ	100	z	19910506	093056	147	105	53	123
97	ო		CLOUDY		56.8N	13.1W			Z	19910506	093057	147	105		129
66	4	ATLANTIC OCEAN	CLOUDY, DARK		56.7N	12.5W	99 LO	11.9	Z	19910506	093102	147	106	58	129
97	လ		. –.		56.6N				z	19910506	093109	147	107		129
97	9	ATLANTIC OCEAN	CLOUDY, DARK		56.5N	10.5W				19910506	093119	147	108	30	129
97	1	ATLANTIC OCEAN	_		56.5N	10.3W	07 66	100	2	19910506	093121		108		129
97	80	ATLANTIC OCEAN	_		56.4N	3.6			z	19910506	093128		109	31	129
97	თ	ATLANTIC OCEAN	CLOUDY, DARK		56.3N	M6.8	07 66	100	z	19910506	093134	147	110	31	129
66	10	ATLANTIC OCEAN	CLOUDY, DARK		56.1N	₩0.8	07 66	100	z	19910506	093142	147	111	32	129
6	11	AT! ANTIC OCEAN	-		56 1N	7. 5W	0 66	100	z	19910506	093146	147	111	32	129
6	12		DARK FRAME		55.3N	2.8W			2 2	19910506	093229		116		129
6	13		DARK FRAME		54. 7N	3	<u> </u>			19910506	093255		119		129
97	14				54.5N	6E	ני			19910506	093302		120		129
97	15				53.0N	6.1E	2		z	19910506	093358	146	126	41	129
6	16				52.6N	7.4E	2		2	19910506	093411		127		129
16	17				51.9N	9.5E	2			19910506	093434	146	130		129
97	18		DARK FRAME, CARGO BAY		51.6N	10.1E	2	100	z	19910506	093441	146	130	43	129
97	19		DARK FRAME, CARGO BAY		51.0N	11.9E	. 60	100	z	19910506	093501	146	133	45	129
6	20		FRAME, CARGO		49.0N	16.4E	L0		z	19910506	093555		138		129
6	21		FRAME, CARGO		47.9N	18.5E	2			19910506	093622		141		129
97	22		FRAME, CARGO		46.7N	20.8E	2		z	19910506	093653		144		129
6	23		DARK FRAME, CARGO BAY		46.2N	21.6E	2	100		19910506	093704	145	145		129
97	24		DARK FRAME, CARGO BAY		45.8N	22.4E	2			19910506	093715	145	146		129
97	52		BLANK FRAME		30.18	11.9E	2		z	19910506	142952	141	308	78	132
86	0	CANADA	CLOUDS		55.2N	93.4W	100 LO		z	19910506	153102	147	117		133
86		CANADA	CLOUDS		55.0N	92.6W	100 LO	250	z	19910506	153106	147	117		133
86	7	CANADA	CLOUDS		54.6N	MZ . 06				19910506	153124	146	119		133
86	က	CANADA	CLOUDS		54.4N	MO.06	100 LO	250	Z	19910506	153131	146	119	37	133
86	4	CANADA-0	CLOUDS		54.0N	88.6W	85 LO	250	z	19910506	153145	146	121	38	133
98	S	CANADA-0	JAMES BAY AREA		53.7N	87.4W	90 LO	250	z	19910506	153157	146	122	39	133
86	9	CANADA -0	JAMES BAY AREA		53.5N	86.7W	70 LO			19910506	153204	146	123		133
86	1	CANADA-0	JAMES BAY AREA		53.4N	86.4W	07 09	250	z	19910506	153207	146	123	33	133
86	œ	CANADA-0	BEAR ISLAND AREA	54.2N 81.4W		85.4W	10 00	250		19910506	153218		125		133
86	o	CANADA-0	S.BEAR ISLAND, ICE	54.0N 81.0W	1 53.0N	85.1W	10 LO	250	z	19910506	153221	146	125	6	133
86	10	CANADA-0	NORTH TWIN ISLAND AREA	53.7N 79.8W		84.3W	5 10	250	z	19910506	153229	146	126	41	133
86	11	CANADA-0	N. AND S.TWIN ISLANDS	53.0N 79.4W		83.5W	5 LO	250	z	19910506	153238	146	127	41	133
86	12	CANADA-Q		3.0N	52	82.8W		7	z	19910506	153246	146	127		133
86	13	CANADA-Q	GLACIATED TERRAIN	53.0N 77.3W	1 52.1N	82.2W	90 FO	250	z	19910506	153252	146	128	42	133
														l	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				4110	l	١						١	14173	
쥝	æ	GEOGRAPHIC NAME	FEATURE	LAT LON	LON LAT LON	NO1	CC TL	F. E	S DATE	GMT	AL	A2	딥	OR O
86	14	CANADA-Q	LARGE ICE COVERED LAKES	52.7N	77.0W 51.9N	81.7W	70 10	250 N	N 19910506	153257		129		133
86	15	CANADA-Q	E.0	52.6N	76.6W 51.8N	81.4W		250 N				129		133
86	16	CANADA-Q	LRG.LAKES E.OF JAMES BAY		76.0W 51.5N	80.6W		250 N	N 19910506			130		133
86	17	CANADA-Q	IVIE	52.2N	75.5W 51.2N	M6.67	70 LO	250 N	N 19910506	153318	8 146	131		133
86	18	CANAGA-Q	PART OF RIVIERE EASTMAIN	52.0N	74.5W 50.9N	79.1W	90 LO	250 N	N 19910506	153327	7 146	132		133
86	19	CANADA-Q	PANORAMA		49.9N	76.7W	40 HO	250 N	N 19910506	153355	5 146	135		133
86	20	CANADA-2	VRY CLOUDY		49.7N	76.1W	95 LO	250 N	N 19910506	153402	2 146	135		133
86	2.1	CANADA-Q	RESERVOIR MANICOUAGAN	51.4N		75.0W	70 LO	250 N	N 19910506			137		133
86	22	CANADA-Q	SEPT-ILES AREA	50.2N	66.5W 47.5N	71.8W	70 LO	250 N	N 19910506	153457	7 145	141	20	133
86	23	CANADA-Q		49.6N		71.4W	70 LO	250 N	N 19910506	153503	3 145	141	51	133
86	24	CANADA-0	PANOBAMA LONG NABBOW 1KS		46. 9N	70 7W	20 HO	250 N	N 19910506	153512	7 145	142	5	133
80	25	CANADA-O			46 5N			250 N	٠ -			143		133
80	26	CANADA-O	T TS! AND	NZ 67	63 6W 46 3N	. 69 . 69						144		133
0 00 00	27	CANADA-O	• -	. Z	0W 46	ME 69		250 N				144		133
86	28	CANADA	, in	: Z		68.2W			N 19910506			146		133
86	67	CANADA	9		44	67.2W			-			147		133
86	30	CANADA	9 0		.5W 44	M6.99			+			147		133
86	31	CANADA	O.		3		5 LO		N 19910506	153617		149	2	133
86	32	CANADA	ñ	49.5N	.5¥	MO.99	30 LO	250 N	N 19910506	153620		149		133
88	33	CANADA	GULF OF ST.LAWRENCE	49.5N	59.5W 43.8N	M9.59	30 LO		N 19910506	15362	6 145	149	99	133
	,		; ;						•			,		
χ 6	34	CANADA-NS	BRETON	47.0N	. ZW 43				-			150		133
86	35	CANADA-NS	8RE TON	47.0N	.6W 43				_			151		133
88	36	CANADA-NS	BRETON	46.3N	.5₩				-			153		133
86	37	CANADA-NS		46.2N	60.5W 42.1N	•		100 N	-		2 144	153		133
86	38	CANADA-NS		46.2N	.5W 41	•			N 19910506			154		133
98	39	CANADA-NS	BRE TON 1	46.2N	60.0W 41.4N	62.3W			_			155		133
86	40	CANADA-NS	CAPE BRETON ISLAND	46.0N	60.0W 41.3N	62.1W		100 N	_		1 144	155		133
88	41	CANADA-NS	CAPE BRETON ISLAND	46.0N	59.0W 40.8N	61.6W	20 02	100 N	N 19910506	153730	0 144	156	90	133
86	42	ATLANTIC OCTAN	CLOUDS, WATER		40.2N	•	70 HO	100 N	-			157		133
86	43		CARGO BAY		32.7N	52.8W	2	90 N	N 19910506	154016	6 143	175	69	133
86	4		CARGO BAY		32.1N	52.4W	2	50 N	N 19910506	154026	6 142	177	20	133
86	45		CARGO BAY		31.7N	52.0W	2	90 N	N 19910506	154034	4 142	178	70	133
86	46				31.3N	51.6W	9		N 19910506		2 142	179	7.1	133
86	4)		CARGO BAY		30.3N	50.8W	2		N 19910506	3 154101	1 142	183	71	133
86	48		CARGO BAY			47.9W	2	50 N	_	154207	_	196		133
86	49				26.1N	47.3W	2	50 N	N 19910506	154221	1 142	199		133
86	50		CARGO BAY		25.0N	46.5W	2	50 N	N 19910506	154241	1 141	204	75	133
86 	51		CARGO BAY		24.5N	46.1W	9	90 N	N 19910506	3 154251	1 141	207		133
86	25		CARGO BAY		21.9N	44,3W			~	15433	•	221		133
86	53	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		4.58	28.2W	80 LO	100 N	N 19910506	15513	3 139	302	28	133

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

8	133	133	133	133	133	133	133	133	33	133	33	33	133	133	33	33	133	33	133	133	33	133	133	133	133	133	က္က	133	133	133	133	133	133	17	11	11	11	11	17
							54 1	53 1	52 1	52 1	52 1	52 1			52 1	51 1	51 1			49 1	48 1	48 1		47 1				44 1	44 1	44 1	43 1	43 1	43 1	42	42	45	46	46	47
SUN	302	303	303	303	304	304	304	305	305	305	305	305	305	305	306	306	306	307	307	307	307	307	307	307	307	308	308	308	308	308	308	308	308	139	141	158	161	163	165
J H	139	139		139		-	139	139	+-1		139	139	13	139	139	139	139	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	145	145	145	145	145	145
GMT	155136	155153	155204	155208	155219	155222	155233	155258	155301	155303	155305	155307	155309	155311	155313	155321	155326	155352	155354	155359	155408	155415	155427	155434	155444	155505	155508	155512	155515	155522	155524	155529	155534	101456	101512	101658	101712	101730	101745
1	į .		19910506	19910506	19910506	19910506	19910506	19910506	19910506	19910506	19910506	19910506			19910506	19910506	19910506	19910506	19910506	19910506	19910506	19910506	19910506	19910506						19910506	19910506	19910506	19910506	19910429	19910429	19910429		910429	19910429
E S	z	z	z	z	z z o	z	z	Z	Z	2	2		2	2	z	_	z	z	NO	N N	z	NO	2	N N	z	z	z	z	z	Z Z	Z	z z	z z	z	z	z	z	Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
TL FI				LO 100	LO 100	LO 100	LO 100				LO 100	100			LO 100						LO 100	LO 100	LO 100	LO 100	10 90	06 07	LO 90			06 07									
ខ			30	30	20	90	40	40	40	40	20	9	09	9	20	20	40	9	90	20	90	9	40	70						20	20	20	80	45	30	55		30	25
IR	•		27.2W	27.1W	26.7W	26.6W	26.3W	25.4W	'n	ζ.	25.2W	•	25.1W	25.0W	24.9W	4	24.5W	23.6W	23.5W	23.4W	23.1W	22.8W	22.4W	22.2W	21.8W	-	21.0W			20.5W	20.4W	20.2W	20.0W	₩6.4	2.9W	9.7E	•	•	15.1E
NADIR LAT LC	4.75	5.68	6.25	6.58	7.15	7.25	7.95	•	4	٠.	9.68	28.6		10.05	10.15	10.58	10.85	12.35	12.45	12.65	13.18	13.55	14.25	14.65	Τ.		16.58	<u>.</u>	œ.	17.25	17.38	17.65	17.95	W 57.0N	W 57.1N		57.		E 56.8N
CENTER AT LON	i																																	2.0W	2.0M	11.0E	~	18.0E	~ ·
CEN																																		57.5N	58.0N	58.0N	57.5N		57.0N
	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	SHADOWS, WATER	ID, MORAY FIRTH	, MORAY FIRTH	RAK, L. DALBOSJON	-	OLAND	SEA, OLAND ISLAND
FEATURE				CLOUDS, S	CLOUDS, S	CLOUDS, S	CLOUDS, S				CLOUDS, S				CLOUDS, S		CLOUDS, S		-	CLOUDS, S	CLOUDS, S	CLOUDS, S		CLOUDS, S		•	•		•	CLOUDS, S	CLOUDS, S	CLOUDS, S	CLOUDS, S	SCOTLAND	SCOTLAND, MORAY	SKAGERRA	SKAGERRA		BALTICS
NAME	OCEAN																																						
HIC																																		_	_				
GEOGRAPHIC NAME	ATLANTIC	BRITAIN	BRITAIN	SWEDEN	SWEDEN	SWEDEN	SWEDEN																																
E.	54	55	99	27	58	93	9	61	62	63	64	65	99	67	68	69	70	71	72	73	7.4	75	9/	11	78	19	80	81		83	84	85	86	0 A	-	7	2A	က	4 ,
<u>ا</u>	98	98	86	98	98			86		86	86	86	96	98	_		86	86	98	98		98			86				98	86		86	86	151	151	151	151	151	151

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				THE	Ì	MANTE								ALIO		Γ
교	æ	GEOGRAPHIC NAME	FEATURE	LAT	ı	:	LON	CC TL	FL E	S	DATE		At.	5	EL	آي
151	9	USSR	LOWER VOLGA, VOLGOGRAD	49.0N	30.	50.9N 4	40.1E	15 HO	N 06	N 19910429		102149	144	İ		7
151	1	USSR	VOLGA RIVER DELTA	45.5N			46.3E	15 LO	N 06	N 19910429		102305	143			7
151	80	USSR	SEA, US	43.0N	59.0E 4	4.8N	52.0E	30 HO	N 06	-	9910429 1	102424	143	227 5	51 1	17
151	8 A	AFGHANISTAN	VIEW EAST KARAKORAM MTS.		Ř		64.1E		N 06	N 1991	19910429 1	102753	142			17
151	88	INDIA	PALK STRAIT, PALK BAY	10.0N	78.0E	. 5N	82.8E	40 HO	N 06	N 19910429		103545	138	281 2		7
151	6	SRI LANKA	SW LOOKING OBLIQUE VIEW	7.0N	81.0E	5.4N 8	85.2E	35 HO	N 06	N 19910429		103657	138	283 2		~
151	10	CANADA -0	SW TOWARD L. SUPERIOR	49.0N	83.0W 49	9.2N 8	81.5W	20 LO	250 N	-	9910429 1	130856	145	100 2	28 1	6
151	10A	CANADA-0	LAKE ABITIBI	49.0N	81.0W 49		80.4W	10 HO	250 N	N 19910429		130910	145			19
151	108	CANADA-0	LAKE ABITIBI	47.5N	81.0W 5(50.5N 7	78.7W	25 HO	250 N	N 19910429		130931	145	104 2	29 1	6
151	11	CANADA-0	SOUTHERN JAMES BAY	51.5N		1.7N 7	,5.6W	30 HO	250 N	N 1991	9910429 1	131005	145	107 3	31 19	6
151	12	CANADA-0	LKS. MISTASSINI, ALBANEL	51.0N	74.0W 52	S	73.1W	10 10	250 N	N 19910429		131032	145	110 3	77	~
151	13	CANADA-0	AWRENCE RIVE	49.0N		9N	69.7W	25 HO	250 N	N 19910429		131108	145	114 3	34 1	0
151	14	CANADA -Q	LAWRENCE	48.5N			68.4W	25 HO	250 N	Y 19910429	• •	131121	145	115 3	34 19	6
151	15	CANADA-Q	F OF ST.	48.0N		NG.	61.6W		250 N	N 1991	9910429 1	131227	145			6
151	16	CANADA-N	GULF OF ST. LAWRENCE	48.0N	60.0W 56	NO.	58.4W	35 HO	250 N	N 19910429		131256	145	127 3		6
151	16A	FRANCE	RIV	45.5N	. OE	. 3N	.8E		250 N	-		132326	143			6
151	168	FRANCE	RHONE R. DELTA, PYRENEES	44.0N		. 8N			250 N			132338	143			6
151	17	FRANCE	ALPS, LOMBARDĮ PLAINS	46.5N		. 7N	6E		250 N			132423	143			6
151	17A	CORSICA		42.5N		. 1N	10.5E		250 N	-		132438	142		51 1	6
151	18	MEDITERRANEAN SEA	W. SICILY, TYRRENIAN SEA	39.0N	12.0E 38	8.7N 1	4.7E	35 LO	250 U	-	9910429 1	132549	142	243 4	0	
151	6	SICILY	MI FINA AFOLIAN IS	38.5N	15.0E 37	37.0N 1	16.5E	55 1.0	250 U	_	9910429 1	132623	141	247 4	80	
151	20	11417	. 2						250 N	N 19910429		132630	141			_
	20A	LIBYA	KHDAR HILLS	32.5N			21.8E		250 N			132812	141			61
	2.1	LIBYA	BOMBA	32.5N					250 N			132832	140			· C
	21A	LIBYA	9	31.0N	1.0E		. 9E		250 N	N 1991	9910429 1	132859	140			
	22	LIBYA			21.0E 28	. 4.			250 N	N 19910429		132911	140	262 4	4	ø
	22A	LIBYA	LIBYAN DESERT		2.5		29.3E		250 N	N 19910429		133110	140	271 3	6	6
151	23	SUDAN	NILE RIVER, L. NASSER	21.0N	30.0E 19	9.7N 3	30.9E		250 N	N 19910429		133153	139		7	G.
151	23A	SUDAN		19.5N	31.5E 18	. 4N	31.8E	5 LO	250 N	13	თ	133217	139	274 3	7	æ
151	238	SUDAN	NILE R., BAYUDA IMP. CR.	18.0N	32.0E 16	6.5N 3	3.0E	10 LO	250 N	19	910429 1	133251	139	276 3	S	
	24	SUDAN	KHARTOUM, NILE RIVER	15.5N			4.0E	15 LO	250 N	N 19910429		133318	138	277 3		<u></u>
	25	SUDAN	SUDAN AGRICULTURE REGION	14.0N	-		34.7E		250 N	-	9910429 1	133339	138	278 3	33 1	6
	56	ETHIOPIA	LAKE TANA, BLUE NILE	11.5N			36.4E		250 U	-	9910429 1	133430	138			6
	26A	ETHIOPIA		٠	9	. 1N	37.5E	웃	250 U			133504	138			6
151	26B	ETHIOPIA	IN RIFT	NO.6	38.0E	S.	38.6E	2	250 U	-		133537	138		28 1	 _
151	27	ETHIOPIA	EASTERN MTNS., DARK		- •		40.7E	2	250 U	7		133640	138			 Ф
151	27A	SOMALIA	¥		. •	2 :	41.0E	2	250 U			133651	138			
151	28	SOMALIA	VERY (•		. 6S	43.2E		250 N	1991 N		133757	138			
151	29	KENYA	FORMOSA BAY, COAST	2.08	•	. 7S	44.4E		250 U	┙,	- •	33834	138	'n	18 19	
161	2.9A	MAURIASCAR	AMBKE CAPE	12.03	49.0E 1	1	30.2E	20 [0	N 067	1881 N	9910429 1	34129	2	1 /87	- 1	٦

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

	5			CENTER		NADIR	5	:	، ا	2446	1	-	NOS .	اج	٦
7	٤ ا	GEUGKAPHIL NAME		LAI		NO.	- 1	. 1	- 1	UAIE	a Wo	1	74	ᆈ	5
	30	MADAGASCAR	AMBRE CAPE, EAST COAST	3.55 50	13.	-			_ Z Z	9910429	134153	138	787	x 0	<u> </u>
151 3	30A	CANADA-0		51.0N 81.	.0W 54.3N	89.7W				19910429	144112	145	117	35	20
151 3	31	SPAIN	G. OF CADIZ, MORENA MTS.	38.0N 7.	0W 34.8N	4.0W			Z	19910429	145643	141	251	48	20
	32	SPAIN	IBRALTER	. ON 6	33.	3.1W	25 HC		Z Z	19910429	145701	141	253	47	20
		SPAIN	STRAIT OF GIBRALTER	. ON 5		2				19910429	145714	141	254	47	20
		MEDITERRANEAN SEA	SE	36.0N 4.	OW 32.1N	-	15 HO			19910429	145736	141	256	46	20
	34A	ALGERIA		4.0N 1		0	15 HO		z	19910429	145756	141	258	46	20
	34B	ALGERIA	ATLAS, WEST	3.0N 1		0				19910429	145829	141	261	45	20
	35	PACIFIC OCEAN	ASKA, CYCLON		လ	142			Z	19910429	191215	145	134	40	23
	35A	CANADA-BC		56.5N 121.	.0W 56.6N	120			z	19910429	191530	145	165	48	23
	36	CANADA-A	SLAVE	.0N 117	သ					19910429	191627	145	174	48	23
	37	CANADA-A	LESSER SLAVE LAKE	.5N 114		-	40 HO			19910429	191644	145	176	49	23
	38	CANADA-M	LAKES WINNIPEG, MANITOBA	.5N 97	.0W 50.6N	95.6W				19910429	191931	144	203	25	23
151 3	38A	USA-VA	DELMARVA PEN., NORFOLK	37.5N 76.	.0W 37.2N	74.7W	60 LO	250	z	19910429	192441	142	245	20	23
	39	USA-NC	C. HATTERAS, PAMILCO S.	.5N 75	.0W 35.2N	72.6W	55 HO	250	 2	19910429	192521	141	249	49	23
151 4	40	COLOMBIA	MAGDALENA RIVER BASIN	74	.0W 6.0N	74.4W	95 LC	250		19910429	210353	137	283	28	24
151 4	40A	BRITAIN	IS.	. ON 3	54.					19910430	083614	145	112	33	32
	41	NORWAY		7		9			Z	19910430	083731	145	121	36	32
151		USSR	HIIUMAA, SAAREMAA ISLAND	58.5N 22.	SE 57.3N	21.		250	z	19910430	083939	145	139	42	32
151 4	43	USSR	LAKE BALKHASH	46.5N 75.	5E 46.3N	68.3E	9	250	z	19910430	084727	142	213	53	32
		CHINA	TIBET PLATEAU, CHILIN L.	0N 88		83.5E			z	19910430	085143	140	246	51	32
-		CHINA	PLATEAU, CHILIN L.	88	.5E 32.9N	84.9E			z	19910430	085211	140	250	51	32
151 4	45A	CHINA	ANGTSE LAKE	31.0N 87.	.0E 31.9N	140.3E		250	Z	19910430	085232	140	252	51	32
•		CHINA	PLAT., NAMU LAKE	90			20 LO			9910430	085251	140	254	20	32
151 4	47	BURMA	ER D	0N 95	.0E 17.1N	96			z	19910430	085706	138	273	40	32
	48	THAILAND	BANGKOK, BIGHT OF BANGKOK	.5N 101	.0E 13.7N	99.0E			z	19910430	085806	138	277	38	32
	48A	THAILAND	OF.	.5N 100	. 5E				≻ z						
		THAILAND	OF BAN	.5N 101.	.0E 12.3N	36.66			_ ≻	19910430	085832	137	278	37	32
151 5		VIETNAM	포	105.	8.1		25 LO	250	z	10430	085947	137	281	33	32
	51	INDONESIA	JAVA, REMBRANG BAY	.55 111	.0E 5.6S	110.3E			z	19910430	090351	137	287	21	32
151 5	52	INDONESIA	JAVA, SEMARANG BAY	7.08 110.	5E 6.7S	111.0E	40 LO		Z	9910430	090410	137	287	20	
151 5	52A	USSR-EUROPEAN	R. DELTA, CASPIAN S	51	43	49.5E			Z	9910430	101758	142	221	54	33
151 5	52B	USSR-EUROPEAN	LINE CASPIAN SEA	52	42	51.4E			z	9910430	101828	142	225	54	33
	53	USSR-EUROPEAN	RA-B0GAZ-G0L	54.		52.3E				9910430	101842	141	226	54	33
	54	USSR-EUROPEAN	IRA-B0GAZ-G0L	53		52.6E	30 60	250		9910430	101846	141	227	54	33
151 5	54A	USSR-MIDDLE	KOPET MT	61.		57.3E			z	9910430	102010	141	239	53	33
151 5	548	INDIA		70		69.6E			2	9910430	102437	139	265	46	33
		INDIA	וררצ	2.0N 71		70.1E				9910430	102451	139	267	46	33
_	0	INDIA	OF KHAMBHAT	72		70.6E	0 0	250		9910430	102503	139	267	45	33
151 5	55	INDIA	GULF OF KHAMBHAT	1.5N 72.		•			N ≺	9910430	102517	138	268	44	33
									İ]

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				1111		TOPR								Alla	
7	FR GEOGRAPHIC NAME		FEATURE	LAT		LAT	LON	ככ דו	FL E	S DATE	GMT	, AL	AZ	티	O.
	56 INDIA	2	CITY OF SURAT	21.0N	1.	21.1N 7	71.5E	2	250 N	Y 19910430	0 102526			77	33
151 5	57 INDIA	38	WESTERN GHATS	20.0N	73.5E 2		71.9E	2 10	250 N	Y 19910430	0 102537	37 138	269	43	33
151 5	58 INDIA	×	WESTERN GHATS, BOMBAY	19.0N	73.5E 1	19.7N 7	72.4E	2 0	250 N	Y 19910430	0 102552	52 138	270		33
151 5	59 INDIA	7	GHATS,	18.0N		2. 1.	72.8E	2	250 N	Y 19910430	0 102602	138		•	33
151 6	60 INDIA	7	WESTERN GHATS	18.0N	74.5E 1		73.2E	2	250 N	Y 19910430	0 102612	12 138		-	33
	61 INDIA	38	WESTERN GHATS	17.5N		17.9N 7	73.6E	2	250 N	Y 19910430	0 102624				33
	62 INDIA	30	DECCAN PLAT., BHIMA R.	17.5N	75.5E 1		73.9E	15 LO	250 N	Y 19910430	0 102633	33 138	273	41	33
151 6	63 INDIA	30	BHIMA	17.0N	76.0E		74.3E	5 LO	250 N	Y 19910430	0 102642	12 138	273	41	33
151 6	64 INDIA	ŏ	DECCAN PLATEAU	16.5N	76.0E 1		74.6E	10 LO	250 N	Y 19910430	0 102652	52 138	274	\$	33
1.1	65 INDIA	, 0	DECCAN PL., TUNGABHADRA	15.5N	76.0E 1	15.8N 7	75.0E	10 LO	250 N	Y 19910430	0 102702	138	275	\$	33
151	SS TNDIA	ž	DECCAN PLATEAL	14.5N	76.5F	15.2N 7	75. 4F	15	N 050	V 19910430	0 102713	138	275	30	33
	_	5 2		•				3 -	200	• •					,
		5 6	DECLAN PLAIGAU	13 CN	7 4		9 1	3 2		•					2
		2 2		12.01 12.58		2	1.	3 5							3
		2	HATS. STANIFY		3 12	12.9N 7	76.8F	3 9		, Y 19910430	0 10275	54 137	277	30	33
	er	A H	GHATS	11.5N	9	:	;)	3 =		· >					}
151 6		i Ši	GHATS, CAUVERY		9	11.7N 7	77.5E	2		Y 19910430	0 102815	15 137	278	37	33
		EA	GHATS, CAUVERY	10.5N	5E			2		-					33
		PA	. MANNA	9.5N	.0E			2							33
151 7	71 INDIA	ρq	PALK ST., MANNAR GULF	9.0N	79.5E 1	10.0N 7	78.5E	9 10	250 N	Y 19910430	0 102846	16 137	280		33
_		٧d	PALK BAY, JAFFNA LAGOON	9.5N	80.5E	. 7N	.7E	2	_	-					33
_		Ą	•	10.5N		. 3N	. 9E	2		-		_			33
	SR1	N	2	NO.e	80.5E	NO.	. 1E		250 N	-					33
	SRI	3		8 · 0N	•	. 7N	. 3E	2							33
		3	VTRAL	•	•		. 6E	2		Y 19910430					33
		SE	PORTION	7.0N	81.5E	. 8N		2		~~		_			33
151 7		s,	PORTION	6.5N	81.0E		. 2E	2	250 N	N 19910430		_		സ	33
	SRI	<u>ښ</u>	COASTAL	7.0N	ä	N6.	80.4E	2		-		13	282		33
	SRI	SE	COAST	•	ij		•	2	20	-		_		33	33
	81 SRI LANKA	SE	COASTAL	6.5N	82.5E	NG.	80.6E	30 00	250 N	N 19910430	0 102949	19 137	282		33
151 8	81A	V	VIEW OF MOON		N	22.65 9	98.4E	- •	250	19910430	0 103833	33 139	288	9	33
	82 USA-MI	30	DETROIT, L. ERIE	42.0N	84.0W 3		. 1K	55 HO	250 N	N 19910430	0 112840			11	34
151 8	83 CANADA-Q	S	ST. LAWRENCE RIVER	47.5N		45.6N 6	69.4W	65 LO 3	250 N	N 19910430	0 113059		87	18	34
	34 CANADA-Q	S	LAWRENCE	48.5N	69.0W 4	46.0N 6	₩8.	0		Y 19910430	0 113108				34
151 8	85 CANADA-Q	S	ST. LAWRENCE RIVER	49.0N	68.0W 4	46.6N 6	M9. 19	2	250 N	Y 19910430	0 113124	24 143	89	20	34
	86 CANADA-NB	t	CHALEUR BAY	48.0N	65.5W 4		MG.99		250 N		0 113139	39 143			34
		79	GASPE PENINSULA	48.5N	65.0W 4	47.9N 6	3₩	2	250 N	Y 19910430					34
_		S.	DOR.	51.5N	3		™ 6.	9	250 N	N 19910430					34
	_	98	ISLAND	۲.	3.	NS.	29.7W	2	250 N	N 19910430		٠.	97	25	34
151 9	90 CANADA-N	18	BELLE ISLAND STRAIT	51.5N	\$6.5₩	51.0N 5	28.6W	70 LO	250 N	N 19910430	0 11331	17 144			34

TABLE 4-3.- STS-39 HANDHELD PHCTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

S DATE GMT AL N 19910430 113935 14 N 19910430 113948 14 N 19910430 114104 14
250 N N 250 N N 250 N N 250 N N 250 N N 250 N N 250 N N 250 N N
55.58N 52.58N 8N 52.68N
61.0N 3. 59.0N 1. 57.5N 2.
CON TRAILS CON TRAILS FLAND ISLANDS FLAND, ORKNEY ISLANDS ROFEN SCOTLAND
SHETLAND SHETLAND SHETLAND ABERDEEN CLOUDS O
ATLANTIC OCEAN ATLANTIC OCEAN BRITAIN BRITAIN BRITAIN
KL TR OCCURAFILL NAME 151 91 ATLANTIC OCEAN 151 93 BRITAIN 151 95 BRITAIN 151 96

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

			CENTER	NADIR	I.R.	1 5	1	1	1		NOS .	٠	
		COACT MER CHOT CTER	Н	- 1		- 1	- 1	- 1	1			네:	5
		COASI NEAR SURI, SIIRE D	/1 NO.	2 6	•		N 007	19910430			107		0,0
		COAST NEAR RAS LANUF	. S.		19.4E		Z				724	2	35
		ZALTAN MTN.	.5N 2	~	•	15 NV	Z	N 19910430			257	4 9	35
			22.5N 25.0E	22.0N	25.3E		Z	N 19910430	132415	138	267	45	35
151	134A SUDAN	DUST STORM, UWAYNAT MIN.	22.0N 25.0E			0 0	250 N I	2					
151 13	135 SUDAN	DUST STORM, KISSU MTN.	S.	20.8N	26.2E	5 LO	250 N I	19910430	132437	138	268	45	35
	136 SUDAN	_	80	18.9N	27.5E		z	N 19910430	132512		271	43	35
51			5 NS		36.0E		Z	-			283	32	35
		DELTA, L.	5N 36		36.2E		z	-			283	32	35
		R. DELTA, L.	.0N 36.	4	36.5E		z	•			283	31	35
											;		
			.ON 36	~	37.3E	15 NV	Z	N 19910430			284	30	35
		MERI PLATEAU	0.5N 40.0E	1.0N	38.3E		z	-			285	53	35
		MERI PLATEAU	0.0N 40.5E		38.4E		250 N	7	133035		285	28	35
		BAY,	40			25 LO	z	N 19910430			286	56	35
	144 KENYA	FORMOSA BAY, NGOMENI PT.	3.0S 40.0E	_	39.9E		250 N	19910430	133122		286	56	35
	145 KENYA	FORMOSA BAY, NGOMENI PT.	3.0S 40.5E		40.2E		z	-	•	•	286	56	35
•	146 KENYA	FORMOSA BAY, NGOMENI PT.	2.5S 40.0E	m	41.1E	25 LO	250 N	19910430	133159		287	24	35
	147 KENYA	GALANA R., NGOMENI PT.	40.	4	41.4E		z	Y 19910430			287	24	35
_	148 MADAGASCAR		. 0S	15.48	48.1E	10 LO	Z	19910430	133527	137	289	13	35
151 14	148A MADAGASCAR	BETSIBOKA RIVER DELTA	16.5S 47.0E			20 LO	250 N I	z					
	•									•	6	,	į
	_	BEISIBOKA KIVER DELIA			48.6E	10 10	⊃	_			687	71	33
		BETSIBOKA RIVER	17.0S 47.5E	17	49.2E		-	_			289	=	35
	_	EAST COAST		18.0S	49.7E	35 LO	-	N 19910430			289	=	35
		~		18.45	50.0E		⊃	-			289	10	35
	153 INDIAN OCEAN	CLOUDS, VERY DARK		25.15	54.7E		-	_		138	287	4	35
	~	COAST MOUNTAINS	.0N 131.		129.7W	35 LO	Z	7	190735		143	43	39
	154 CANADA-BC	COAST MOUNTAINS	8 0.		126.9W		z	N 19910430		144	146	44	39
	155 CANADA-BC	:	S.	26.5N	122.6W		z	-	190836		152	45	39
	156 CANADA-BC	ROCKY MTS., WILLISTON L.	56.0N 124.0W	56.4N	121.7W	10 LO	z	_	190844	144	153	45	39
151	57 CANADA-A	LESSER SLAVE LAKE	55.5N 116.0W	55.1N	114.1W	10 N	250 U I	N 19910430	190953	144	164	48	39
151 1	58 CANADA-S	LAKES, AGRICULTURE FIELD		53.5N 1	107.8W	15 L0	250 U I	19910430	191055	143	174	20	39
151 1		PELEE PT.	41.5N 82.5W	40.	82.6W	30 LO	250 U I	1 19910430	191623		225	55	39
	_	CLEVELAND	41.5N 82.0W	39.7N	81.4W		>	19910430		141	227	25	39
		UMBUS	5N 83.	n		10 LO	_	N 19910430			229	55	39
_	162 USA-0H	PORTSMOUTH, OHIO RIVER	8 0		80.4W	5 10	250 U I	19910430	191701	141	230	55	39
_	.63 CANADA-BC	VANCOUVER, FRASER RIVER	49.5N 122.5W	50.7N 1	122.5W	07 0	250 N I	N 19910430	204155	143	187	25	40
		R, FRASER	49.0N 123.0W	50.4N	121.9W		z	N 19910430	204202		188	52	40
_		\supset	.5N 114	46.9N	114.7W		250 N I	19910430	-		202	54	40
_		NEAR FORT COLLINS	.5N 105	40.4N		75 10	250 N I	19910430			224	22	-
151	167 USA-CU	DENVER	40.0N 105.0W	39.8N	104.4W	20 NV	250 N	19910430	204612	141	226	55	\$

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				434.70	4.4.4			1				ļ			
균	E	GEOGRAPHIC NAME	FEATURE	LAT	LAT		CC TL	1	ES	DATE	CMT	AL	AZ A	EL	S.
151	168	USA-CO	DENVER	.5N 104.5W	104	™ 0.	20 10	ı	2	-	204618	141	227	55	40
151	169	USA-NM	SANGRE DE CRISTO RANGE	.5N 104.0W	37.9N 102.	. 1W	07 09		z	19910430	204652	140	231	55	4
151	170	USA-OK	LAWTON, RED RIVER	MO.66 NS.	35.6N 99.	*	№		z	-	204739	-	238	54	4 0
151	171	USA-TX	WICHITA FALLS, RED RIVER	MS.86 NO.	86	. 6W			z		204800	7-1	240	54	40
151	172	USA-TX	DALLAS-FORT WORTH AREA	.5N 97.0W	97	3₩			Z		204827		244	53	40
151	173	USA-TX	CORSICANA, RICHLAND RES.	MO.96 NO.	32.2N 96.	*			z	13	204845		246	53	40
151	174	USA-TX	HOUSTON-GALVESTON AREA	.0N 95.5W	95	. 3W	10 01		z	19910430	204909	_	248	53	40
151	175	USA-TX	HOUSTON-GALVESTON AREA	29.5N 95.5W	4N 94	. 8W	5 L0		z	19910430	204920	-	250	25	40
151	176	USA-TX		.5N 9	29.5N 94.	3 0.	5 10	~	z	19910430	204938		252	52	40
151	177	USA-TX	BEAUMONT-PORT ARTHUR	29.5N 94.0W	29.0N 93.	2	25 LO		z	19910430	204947	139	253	25	40
151	178	BOLIVIA	RIO GRANDE. VERY DARK	18.5S 63.0W	18.45 63.	7	25 L0	250	_	19910430	210403	137	289	13	40
151	178A	BOLIVIA	VFRY	55 63	2	3		~	=	6		_	290	12	40
151	179	USSR-PACIFIC	VOLCANO	.0N 160.	ON 160	8			z	: 5	220312		113	33	41
151	180	USSR-PACIFIC		160.	1N 161	7.			Z		220320		114	33	41
151	181	USA-CA		.5N 122	.1N 125	3			z	19		•	230	55	41
151	181A	USA-CA	FRANCISCO BAY	. 5N	5N 124	. 4W			z				232	55	41
151	182	USA-CA	CONCEPTION, S.	NO.	34.7N 121.	.5₩			z		221729		239	54	41
151	183	USA-CA		9.0N	121	3.			z	13		-	240	54	41
151	184	USA-CA	ANGELES BASIN A	34.0N 118.5W	33.1N 120.	.0		~	z	19910430	221800	139	243	54	41
151	185	USA-CA	SAN DIEGO AREA	32.5N 117.0W	31.9N 118.	M 6	1.5 N	250	z	19910430	221824	139	246	53	41
151	186	11.0A-CA	SAN DIEGO ABEA	32 KN 118 OM	31 AN 118	3	15 10	250	2	10010430	221833	130	247	4	41
1 2 2	200	#F<100	יי ני נייני		011 110	•	2 2		2 2	٠,	221020			3 6	;
101	200	MEAICO	٠ د د	. DI I NC.	. SN 11/	¥ :			z :		20177	٠,		2 5	;
151	1 2 3	MEXICO	BAJA PEN., C.S. QUINIIN	30.5N 116.0W	29. /N 11/. 29 7N 116	3 3	10 LO	250	z 2	19910430	221905	139	107	20	£ :
151	100	MEXICO	TERTE RAIN	0 114 ON	115	. T.			2		221036		25.4	2 6	7
151	191	ZEX ICO	OJO DE LIEBTE	114.54	115	. 3			2 2	٠.	221	٠.	25.5	5 12	1 4
151	192	MEXICO	BESTIAN VISCAING	ON 115.0W	112	3			: 2	1991			261	5.0	. 4
151	193	SPAIN		.5N 4.5W	0N 11	3			z	13			230	57	52
151	193A	SPAIN	STRAIT OF GIBRALTAR	ų	.7N 10.	7	20 HO		z	199			231	57	52
151	194	SPAIN	ALBORAN SEA, BAETIC MTS.	37.0N 2.0W	33.1N 10.	11	15 HO		Z	19910501	144246	139	232	21	25
151	195	MEDITERRANEAN SEA	ALGERIAN COAST		32.8N 9.	36	15 HO	250	z	19910501	144252	139	233	57	25
151	196	MEDITERRANEAN SEA	ALBORAN SEA	1.0₩	. 5N	MS.8		250	z	19910501	144258		234	21	29
151	197	MOROCCO	CAPE RHIR, AGADIR	9.5W		₩8.	S N	250	z	19910501	144335	138	239	21	25
151	198	MOROCCO		3€.		7.0W			z	-	144353		241	99	29
151	199	AFRICA	OBLIQUE V. W. SAHARA D.		.88				_	1991	144430		246	99	29
151	200	USA-VA	IAN MTNS.	81.0W					_	19910501			217	28	55
151	201	USA-VA	Ξ.	WO.08 NO.					z : z :	19910501	19103	13	222	28	55
151	202	USA-SC	֓֞֞֝֞֜֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֟֝֓֓֓֓֟֝֓֡֡֡֡֝֓֡֓֡֓֡֓֡֡֡֡֡֡֡֓֡֡֡֡֓֡֡֡֡֡	MO.08 NG.	0/ NI	X :			2 : 2 :	19910501	191055	£ ;	225	ထိုင်	52
151	203	USA-SC	CHARLESION, HONIING IS.	32.5N 80.5W	33.6N 78.	≱ 3	2 2	250	2 2 2 2	19910501	191104	139	227	58	55
		35, 450	5	.00.00	.0/	5	3	200		1991001	191108	2	/27	8	22

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

	İ			CEN	TER	NAD	2	l									Γ
뢷	J	GEOGRAPHIC NAME		LAT LON		LAT LON	LON	ပ္ပ		ш			- 1	- 1		ار 9	
151		USA-SC	CHARLESTON, FT. SUMTER	33.0N	MO.08	33.0N	78.2W	5 L	LO 250	NNO	19910501	1 191116		139 2		2	2
151	206	USA-FL	CAPE CANAVERAL	28.0N	81.5W	31.4N	76.7W	45 HO	0 250	z	19910501	1 191147	_	139 2	233 5		2
151	206A	BAHAMAS	CAICOS ISLANDS	22.0N	71.5W	23.1N	70.1W	15 LO	0 250	2	19910501	1 191424	_	138 2	253 5		
151	2068	DOMINICAN REPUBLIC	SANTA DOMINGO, PT.SALINA	18.5N	70.5W	19.8N	M6.79	40 LO	0 250	Z	19910501	1 191524	_	138 2	260 5	54 55	
151	207	PUERTO RICO	SAN JUAN, ROOSEVELT RDS.	18.5N	MO.99	17.6N	66.4W	35 LO	0 250	Z	19910501	1 191604		137 2	263 5		
151	208	SOUTH AMERICA	DEFOREST., BRAZIL, GUYANA			4.3N	58.3W	55 LO	0 250	Z	19910501	1 192001		136 2	280 4		
151	209	BRAZIL	S	12.08	49.0W	9.38	50.4W			Z	19910501	1 192405		137 2	289 3		
151		BRAZIL	TRES MARIAS RESERVOIR	18.55	30	17.55	45.3W			Z	-	-					_
151		BRAZIL	FURNAS RESERVOIR	21.08	3	18.55	44.7W			2							
151	211A	BRAZIL	RIO DE JANEIRO	22.55	.5₩	20.75	43.2W	25 LO		Z	19910501				292 19		
			9		3		•			2	•					4	
7		DRAZIL	DE JANEIRO	53.03		50.13	46.4			2 2						.	
101		BRAZIL	ARRAIAL, ARARUAMA L.	23.05	3	22.55	41.9W			Z							_
101		BOLIVIA	S. END LAKE TITICACA	16.55	3	17.05	68 · 4			Z	~						_
151		BOLIVIA		17.0S		17.55	88.0M				-					3 56	_
151		BOLIVIA		18.08	3	18.0S	67.7W			Z	19910501	1 205612		137 2	291 22		_
151		BOLIVIA	LAKE POOPO, ALTIPLANO	18.58	3€.					Z							
151		BOLIVIA	LAKE POOPO	19.0S		18.65	67.4W			Z	19910501				292 22	2 56	_
151	218	BOLIVIA	LAKE COIPASA	19.55	₩0.89	19.0S	67.1W	≥ 0		z	19910501						
151		BOLIVIA	UYUNI SALAR	20.05	80.	19.45	66.8W			z	19910501				292 21	1 56	
151	220	BOLIVIA	UYUNI SALAR	20.02	68.0W	19.65	MC . 99	№	/ 250	> Z	19910501	1 205641		137 2	292 2		
151		BOLIVIA	UYUNI SALAR	20.55	67.5W		96.3W			×		-		~		99 0	
151	222	USA	CLOUDS CENT.GREAT PLAINS			41.6N 1	105.5W	20 10	0 250	>	19910502	2 124317		140	69 -4		
151		USA-SD			3€	•	101.4W				-				71	9	
151		USA-SD	AG. NEAR ABERDEEN	45.5N		45.0N 1	100.6W	25 LO		Z	19910502	2 124433		141	71	9	
151	223A	USA-SD	AG. NEAR ABERDEEN	45.5N	MO. 66	45.4N 1	100.0M	25 NV	V 250	2 2	19910502	2 124443		141	71	1 67	_
151		USA-SD	CLOUDS S.D./N.D. BORDER	46.0N	3€	45.9N	99 . 1W			Z	19910502			141			_
151	224A	USA-ND	CLOUDS S.D./N.D. BORDER	46.5N		46.2N	98.7W	60 NV	V 250		19910502	2 124501		141	72	2 67	_
151		EUROPE	CLOUDS, VIEW S.TO AFRICA			43.5N	2.9W			_	19910502	2 130126		141 1			_
151		SFIN	VIEW S. TOWARDS AFRICA			41.0N	. 4E	50 HO	250	NOC	19910502			140		6 67	_
151	225A	ALGERIA	TELL ATLAS MTNS.	36.0N	9.0E	40.3N	1.3E	90 HO	250	0	19910502	2 130235		140	186 56		_
151	2258	TUNISIA	TELL ATLAS MINS., COAST	36.5N	5E	39.4N	2.4E	50 HO	0 250	0	19910502	2 130255		140	189 57		_
151		ALGERIA	S	35.0N		38.5N	3.5E		0 250	0	-	2 130313		139 1		7 67	_
151	227	ALGERIA	GRAND ERG EASTERN	33.0N	.0E	38.3N	3.7E	40 HO		0	19910502	2 130316		139 1	192 57	7 67	_
151		ALGERIA	NEMENCHA MTS., MELRHIR L	34.5N	. SE	37.6N	4.5E			0	+4						_
151	228A	TUNISIA	DJERID LAKE, EASTERN ERG	34.0N	. 5E	37.1N	5.0E		0 250	0	19910502	2 130342		139 1	197 58		_
151	228B	TUNISIA	GRAND ERG EASTERN	32.5N	9.0E	36.5N	5.6E	60 L0	0 250	0	19910502	2 130353	• •	139 1	198 59	8	_
151		TUNISIA	GRAND ERG EASTERN	31.5N	.0E	36.0N	6.2E			0	19910502	2 13040	_	139 2	200 5	8	
151		LIBYA	HAMRA	30.0N	. 0E												
151		LIBYA	HAMRA	31.0N	٦. r	35.2N	7.0E		25						202 59		_
151	231	LIBYA	AL HAMRA PLATEAU	30.0N	14.5E	34.8N	7.4E	15 L0	55	2 0	19910502	2 130427		139 2	203 5	١	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTED	MANTE								N TO	١	
7	æ	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT	z	CC TL	F	S	DATE	GMT	٩٢	AZ	Е	OR
151	232	LIBYA	AL HAMRA PLATEAU	31.0N 13.5E	34.0N B	.15		250 0	z	19910502	130442	138	206	29	67
151	233	LIBYA	AL HAMRA PLATEAU	31.5N 12.5E	33.8N	8.3E	0 0	250 0	Z	19910502	130446	138	206	23	67
151	234	LIBYA	COAST, GULF OF SIDRA		33.6N	8.5E	0 0	250 0	z	19910502	130450	138	207	29	67
151	235	LIBYA	GULF OF	-	33.4N	8.8E	_		z	19910502	130455	138	208	9	67
151	236	LIBYA	GULF OF		32.6N	9.5E			z	19910502	130510	138	210	9	67
151	237	LIBYA	DESERT		32.2N	9.8E			z	19910502	130518	138	211	90	67
151	238	USA-WA	8	-	46.9N 12	. 2W	§ №	250 N	Z	9910502	141445	141	72	7	89
151	239	USA-WA	YAKIMA	46.0N 120.5W		M 6.	2 N	250 N	z	9910502	141449	141	72	7	89
151	240	USA-ID	¥	49.0N 115.0W	48.7N	₩8.	N O	250 N	Z	19910502	141529	141	73	4	68
151	241	CANADA-A	ROCKY MTS., HIGH PLAINS		50.2N 113.5W	MG.	80 CO	250 N	Z I	9910502	141610	142	75	7	88
15.	242	CANADA	HIGH DIAINS AGRICIII TIIRE				30 NV	250 N	2						
332	: =	AIRORA	AUSTRALIS-BACK SH TATI					200	2						
332	: 2	ALIBORA	S-RACK				9		-						
332	1 =	AIBOBA	S-BACK SH				2 5	3 2 2							
332	4	AURORA	S-BACK				2 9								
333	<u> </u>	AIIBOBA	C-RACK				=	_							
332	5 4	AIBORA	S-DACK				?		: 2						
335	ָרָ רָּ	Aliaba	מיים כי				2 5								
356	1 0		מיני עיני				2 9								
332	8 9		ے ا				₽ :	2 :							
332	19	AIMOSPHERIC LIMB	IONOSPHERIC GLOW				€.	5 5 2	z						
332	20	ATMOSPHERIC LIMB	IONOSPHERIC GLOW				웊	35 N	z						
332	21	ATMOSPHERIC LIMB	IONOSPHERIC GLOW				웆	35 N	z						
332	22	ATMOSPHERIC LIMB	RIC				오	35 N	2						
332	23	ATMOSPHERIC LIMB	IONOSPHERIC GLOW				웆	35 N							
332	24	ATMOSPHERIC LIMB	IGNOSPHERIC GLOW				웃	35 N	z						
332	52	ATMOSPHERIC LIMB	IONOSPHERIC GLOW				皇	35 N	z						
332	97	ATMOSPHERIC LIMB	IONOSPHERIC GLOW				오	35 N							
332	27	ATMOSPHERIC LIMB	IONOSPHERIC GLOW-BACK SH				오	35 N	z						
332	28	ATMOSPHERIC LIMB	IONOSPHERIC GLOW-BACK SH				오	35 1	z						
332	34	AURORA	AUSTRALIS-GREEN PROM.				오	35 N	z						
332	35	AURORA	AUSTRALIS-GREEN PROM.				웃	35	z						
332	36	AURORA	S-GREEN				?	35	: z						
332	37	AURORA	S-GREEN				£	35.5	.						
342	-	AURORA	· ·				유	35	z						
342	7	AURORA					오		: 2						
342	ო	AURORA	AUSTRALIS-GREEN PROM.				유		Z						
342	4	AURORA					£		2						
342	'n	AURORA	S-RED/GR				오	_	z						
342	9	AURORA					오	-	z						
342	1	AURORA					운	35 N	z						
											 			١	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

19 19 19 19 19 19 19 19	RL FR	S GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LON	CC TL	FL E S	DATE	GMT AL	AZ SUN	OR.
99 ALISTRALIS-GREEN PROM. HO 35 M 11 ALNORA ALISTRALIS-GREEN PROM. HO 35 M 11 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 13 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 14 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 15 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 16 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 17 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 21 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 22 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 23 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 24 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 25 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 26 ALNORA ALSTRALIS-RED/GREEN PROM. HO 35 M 27 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 28 ALNORA ALSTRALIS-GREEN PROM. HO 35 M 29						皇	Z				
11 ANDORA AUSTRALIS-GREEN PROM. HO 35 N 12 AURORA AUSTRALIS-GREEN PROM. HO 35 N 12 AURORA AUSTRALIS-GREEN PROM. HO 35 N 14 AURORA AUSTRALIS-GREEN PROM. HO 35 N 15 AURORA AUSTRALIS-GREEN PROM. HO 35 N 16 AURORA AUSTRALIS-GREEN PROM. HO 35 N 17 AURORA AUSTRALIS-GREEN PROM. HO 35 N 20 AURORA AUSTRALIS-GREEN PROM. HO 35 N 21 AURORA AUSTRALIS-GREEN PROM. HO 35 N 22 AURORA AUSTRALIS-GREEN PROM. HO 35 N 23 AURORA AUSTRALIS-ERED/GREEN PROM. HO 35 N 24 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 N 25 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 N 26 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 N 27 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 N 28 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 N <td></td> <td>_</td> <td>IS-GREEN</td> <td></td> <td></td> <td>오</td> <td>35 ≈ 35</td> <td></td> <td></td> <td></td> <td></td>		_	IS-GREEN			오	35 ≈ 35				
11 AUSTRALIS-GREEH PROM. HO 35 M 13 AURORA AUSTRALIS-GREEH PROM. HO 35 M 13 AURORA AUSTRALIS-GREEH PROM. HO 35 M 14 AURORA AUSTRALIS-GREEH PROM. HO 35 M 15 AURORA AUSTRALIS-GREEH PROM. HO 35 M 16 AURORA AUSTRALIS-GREEH PROM. HO 35 M 17 AURORA AUSTRALIS-GREEH PROM. HO 35 M 20 AURORA AUSTRALIS-GREEH PROM. HO 35 M 21 AURORA AUSTRALIS-GREEH PROM. HO 35 M 22 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 23 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 24 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 25 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 26 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 27 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 28 AURORA AUSTRALIS-GREEN PROM. HO 35 M		Ī				皇	35 K				
12 AUSTRALIS-GREEN PROM. HO 35 M 13 AURORA AUSTRALIS-GREEN PROM. HO 35 M 14 AURORA AUSTRALIS-GREEN PROM. HO 35 M 15 AURORA AUSTRALIS-GREEN PROM. HO 35 M 16 AURORA AUSTRALIS-GREEN PROM. HO 35 M 17 AURORA AUSTRALIS-GREEN PROM. HO 35 M 20 AURORA AUSTRALIS-GREEN PROM. HO 35 M 21 AURORA AUSTRALIS-GREEN PROM. HO 35 M 22 AURORA AUSTRALIS-GREEN PROM. HO 35 M 23 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 24 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 25 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 26 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 27 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 28 AURORA AUSTRALIS-RED/GREEN PROM. HO 35 M 29 AURORA AUSTRALIS-GREEN PROM. HO 35 M						오	35 x x				
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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2 USSR-EUROPEAN CLOUDS CLOUD	601	-	USSR-EUROPEAN	CLOUDS		54.1N		오	z	19910429	102000	138			
3 USSR-MIDDLE ARAL SEA 43.0N 60.0E 40.5N 58.0E 60 HO 100 N N 19910429 102500 138 240 50 50 4 USSR-MIDDLE ARAL SEA 43.0N 60.0E 40.5N 58.0E 55 HO 100 N N 19910429 102600 138 240 50 50 5 USSR-MIDDLE ARAL SEA 43.0N 60.0E 40.5N 58.0E 55 HO 100 N N 19910429 102600 138 240 50 50 6 USSR-MIDDLE ARAL SEA 43.0N 60.0E 40.5N 58.0E 55 HO 100 N N 19910429 102600 138 240 50 50 7 USSR-MIDDLE AMUDAR RIVER 41.0N 62.0E 40.5N 58.0E 55 HO 100 N N 19910429 102700 138 247 49 90 9 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.5N 61.0E 37.7N 61.4E 10 LO 100 N N 19910429 102700 138 247 49 90 10 USSR-MIDDLE KARAKUM, AMUDAR RIVER 38.0N 63.0E 37.7N 61.4E 15 LO 100 N N 19910429 102700 138 247 49 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N N 19910429 102700 138 247 49 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 37.7N	601	7	USSR-EUROPEAN	CLOUDS		54.1N		웆	z	19910429	102000	138	<u>م</u>		
4 USSR-MIDDLE ARAL SEA ARAL SEA ARAL SEA ARAL SEA ARAL SEA ARAUDAR RIVER KARAKUM, MURGAB RIVER ARAKUM, AMUDAR RIVER KARAKUM, AMUDAR RIVER ARAKUM, AMUDAR RIVER ARAKUM, AMUDAR RIVER KARAKUM, AMUDAR RIVER ARO 00 6 40.5N 58.0E 55 HO 100 N N 19910429 102600 138 240 50 50 10 N 19910429 102600 138 240 50 10 N 19910429 102700 138 247 49 1058-MIDDLE KARAKUM, AMUDAR RIVER ARAKUM, AMUDAR RIVER ARO 00 6 40.5N 58.0E 55 HO 100 N N 19910429 102700 138 247 49 1058-MIDDLE KARAKUM, AMUDAR RIVER ARO 00 6 40.5N 58.0E 55 HO 100 N N 19910429 102700 138 247 49 1058-MIDDLE KARAKUM, AMUDAR RIVER ARO 00 6 37.7N 61.4E 15 LO 100 N 19910429 102700 138 247 49 12 10 1058-MIDDLE KARAKUM, AMUDAR RIVER ARO 00 6 37.7N 61.4E 15 HO 100 N 19910429 102700 138 247 49 12 10 1058-MIDDLE KARAKUM, AMUDAR RIVER ARO 00 6 3.0E 37.7N 61.4E 15 HO 100 N 19910429 102700 138 247 49 12 10 1058-MIDDLE KARAKUM, AMUDAR RIVER ARO 00 6 3.0E 34.7N 61.4E 15 HO 100 N 19910429 102700 138 247 49 10 100 N 19910429 102700 138 247 49 10 100 N 19910429 102700 138 247 49 10 100 N 19910429 102800 138 253 47 49 10 100 N 19910429 102800 1	601	က	USSR-MIDDLE			-	4.3E	2	z	19910429	102500	138	6		
S USSR-MIDDLE APAL SEA AMUDAR RIVER B USSR-MIDDLE ARAKUM, MURGAB RIVER ANDDAR RIVER	601	4	USSR-MIDDLE	ARAL SEA		40.		오	z	19910429	102600	138			
6 USSR-MIDDLE AMUDAR RIVER 43.0N 60.5E 40.5N 58.0E 55 HO 100 N N 19910429 102600 138 240 50 50 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.5N 61.0E 47.7N 61.4E 15 LO 100 N N 19910429 102700 138 247 49 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 61.0E 37.7N 61.4E 10 LO 100 N N 19910429 102700 138 247 49 10 USSR-MIDDLE KARAKUM, MUNGAB RIVER 37.0N 61.0E 37.7N 61.4E 15 LO 100 N 19910429 102700 138 247 49 11 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N 19910429 102700 138 247 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 37.7N 64.5E 40 HO 100 N 19910429 102800 138 253 47	601	2	USSR-MIDDLE			40		웊	Z	19910429	102500	138			
7 USSR-MIDDLE AMUDAR RIVER 37.5N 61.0E 40.5N 58.0E 55.00 100 N N 19910429 102600 138 240 50 8 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.5N 61.0E 37.7N 61.4E 15.00 100 N N 19910429 102700 138 247 49 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 61.0E 37.7N 61.4E 10.00 N N 19910429 102700 138 247 49 11 USSR-MIDDLE KARAKUM, AMUDAR RIVER 38.0N 63.0E 37.7N 61.4E 15.00 100 N 19910429 102700 138 247 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15.00 100 N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15.00 100 N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40.00 N 19910429 102800 138 253 47	601	9	USSR-MIDDLE		3.0N	40		9	: z	19910429	102600	138			
8 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.5N 61.0E 37.7N 61.4E 15 LO 100 N N 19910429 102700 138 247 49 9 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 62.5E 37.7N 61.4E 10 LO 100 N N 19910429 102700 138 247 49 10 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 63.0E 37.7N 61.4E 20 LO 100 N N 19910429 102700 138 247 49 11 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N N 19910429 102700 138 247 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40 HO 100 N 19910429 102800 138 253 47	601	7	USSR-MIDDLE	AR A		40		9	z	19910429	102600	138			
9 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 62.5E 37.7N 61.4E 10 LO 100 N N 19910429 102700 138 247 49 10 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 61.0E 37.7N 61.4E 20 LO 100 N N 19910429 102700 138 247 49 11 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 LO 100 N N 19910429 102700 138 247 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40 HO 100 N N 19910429 102800 138 253 47	601	œ	USSR-MIDDLE	MURGAB				9	z	19910429	102700	138			
10 USSR-MIDDLE KARAKUM, MURGAB RIVER 37.0N 61.0E 37.7N 61.4E 20 L0 100 N N 19910429 102700 138 247 49 11 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 L0 100 N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40 H0 100 N 102910429 102800 138 253 47	601	6	USSR-MIDDLE	. MURGAB				0	Z	19910429	102700	138			
11 USSR-MIDDLE KARAKUM, AMUDAR RIVER 38.0N 63.0E 37.7N 61.4E 15 LO 100 N N 19910429 102700 138 247 49 12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40 HO 100 N N 19910429 102800 138 253 47	601	10	USSR-MIDDLE	. MURGAB				2	z	19910429	102700	138			
12 USSR-MIDDLE KARAKUM, AMUDAR RIVER 40.0N 63.0E 37.7N 61.4E 15 HO 100 N N 19910429 102700 138 247 49 13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40 HO 100 N N 19910429 102800 138 253 47	601	Ξ	USSR-MIDDLE	. AMUDAR				2	Z	19910429	102700	138			
13 USSR-MIDDLE KARAKUM, AMUDAR RIVER 41.0N 63.0E 34.7N 64.5E 40 HO 100 N N 19910429 102800 138 253 47	601	12	USSR-MIDDLE	, AMUDAR	63	37	61.4E	유	z	19910429	102700	138		6	
	601	13	USSR-MIDDLE	, AMUDAR	63	34.7	4.5	오	z	19910429	102800	138	ო	7	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

꿃	FR	GEOGRAPHIC NAME	FEATURE	<u> </u>	ER NADIR	DIR	CC TL FL	E S	DATE	GMT	AL	AZ SUN	N EL	OR
601	14	AFGHANISTAN	HINDU KUSH, HEIMAND R. 32	NO	3	64.5E	60 LO 100	ļ	19910429	102800	138	253	47	16
601	15	AFGHANISTAN	MARGOW DESERT, HEIHAND R 30		63.5E 31.6N	67.	40 HO 100	2	19910429	102900	138	258	45	16
601	16	AFGHANISTAN	MARGOW DESERT, HEIHAND R 30	S	64.0E 31.6N	67.	35 HO 100		19910429	102900	138	258	45	16
601	17	PAKISTAN	N RANGES 3	NO.0	•	67	25 LO 100		19910429	102900	138	258	45	16
601	18	PAKISTAN	SULAIMAN RA. INDUS R. 28	8.0N	69.0E 28.5N	70.	30 HO 100	Z	19910429	103000	138	263	43	16
601	19	PAKISTAN	/ER, THAR DESERT 2	0.0N	.0E 28.	70.	오		9910429	103000		263	43	16
601	20	INDIA	KUTCH 2	4.0N	70.0E 25.3N	72.5E	15 HO 100	z	19910429	103100	138	267	41	16
601	21	PAKISTAN	7	0.0N	.0E 25.	72.	20 HO 100		19910425	103100	138	267	41	16
601	22	INDIA	KUTCH, INDUS R. 2	ω.	.0E 25.	•	오	z	91042	103100	138	9	41	16
601	23	INDIA	7	2.0N	71.0E 25.3N	72.5E	10 HO 100		19910429	103100	138	267	41	16
601	24	INDIA	RANN OF KUTCH, W. GHATS 23	3.0N	71.0E 25.3N	72.5E	10 HO 100		19910429	103100	138	267	41	16
601	25	INDIA	, KUTCH 2	1.0N	71.0E 22.1N	74.8	5 HO 100	2	19910429	103200	138	271	39	16
601	56	INDIA	GULF OF CAMBAY, KUTCH 21	21.0N	72.0E 22.1N	74	5 HO 100		19910429	103200	138	271	39	16
601	27	INDIA	OF CAMBAY, W. GHATS	20.5N	.0E 22.	74.8	오	z	19910429	103200		271	39	16
601	28	INDIA		9.5N	74.0E 22.1N		25 HO 100	z	19910429	103200		271	39	16
601	53	INDIA	CAMBAY, W. GHATS 2	ö	.0E 18.	77	오		19910429	103300	138	274	36	16
601	30	INDIA	N GHATS 1	8 . ON	75.0E 18.8N	77.1E	40 HO 100		19910429	103300	138	274	36	16
601	31	INDIA	GHATS, DECCAN PLAT 1	0.0N	.0E 15.	79.	오		19910429	103400	138	277	34	16
601	32	INDIA	GHATS, DECCAN PLAT 1	5.0N	.5E 15.	79.2	오	z	19910429	103400	138	277	34	16
601	33	INDIA	WEST. GHATS, DECCAN PLAT 14	4.0N	76.5E 12.1N	81.3E	40 HO 100	z	19910429	103500	138	280	31	16
	Š		4 TA 10 144.0010 014	2		,	9	2			•	6	;	
100	ָר נ ס	KIONI	AIS, DECCAN FLAI I	20.0	.UE 12.	9	2	2 :	19910429	103200	130	707	7	9 :
601	35	INDIA	DECCAN PLAI., E. GHAIS 12	•	15	8	45 HO 100		19910429	103500	138	280	31	16
601	36			80.6	.0E 12.	81.				103500	138	280	31	16
601	37	INDIA	STRAIT		12.	81.	오	z	19910429	103500	138	280	31	16
601	38	SRI LANNA	STRAIT	8 8	12.	81.	오	Z	19910429	103500	138	280	31	16
601	39	SRI LANKA	STRAIT	. 5N	0.5E 8.	83.	오	z	19910429	103600	138	282	58	15
601	40	INDIA	OF MANNAR	8.0N	8.0E 8.	83		z	19910429	103600	138	282	5 8	16
601	41	SRI LANKA	GULF OF MANNAR, CLOUDS 6	6.5N	6.7	83.	오		19910429	103600	138	282	28	16
601	45		7		7.2	4.			19910429	105000	138	277	-15	16
601	43		SUNSET TERMINATOR		37.25	114.8E	0 HO 100		19910429	105000	138	277	-15	16
601	4		SUNSET TERMINATOR		37.25	114.8E	0 HO 100		19910429	105000	138	277	-15	16
601	45		SUNSET TERMINATOR		37.25	114.			19910429	105000	138	277	-15	16
601	46		_		37.25	114.	오		19910429	105000	138	277	-15	16
601	41	CANADA-NS	OTIA 4	4.5N	63.0W 45.9N	64.	오			113800	138	94	24	17
601	4 :	ATLANIIC OCEAN	STREAM, ICE		S	64.	오 :	z z z		113800	138	94	24	17
1001	4 (CANADA-N	, ICE FLOWS	;	48	90	오 :		19910429	113900	138	66	27	17
601	Ç.	CANADA-N	., PLACENITA B	8 :	5.0W 50	Ġ,	오 :	2 :	910429	114000	138	104	30	17
700	7.5	CANADA-N	OF WILLY TO STORY		UW 50.	00	₽ :			114000	138	104	30	17
109	52	SKITAIN SAIDT ABARTA	SCOTLAND, ORKNEY ISLANDS 57	57.5N	3.0W 56.1N	3.3%	55 HO 100	~ · · · · · · · · · · · · · · · · · · ·	19910429	114800	138	172	4 4	17
2	3	TTOUR TOUR	, 3mUhr 113. £	٠.	30.	• 1	3	2	31045	110300	021	7007	₽	7

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER	ER NADIR	DIR		1				Š	l
굹	۳			LAT		≲ı	티	ᆈ	П	1	- 1	- [
601	54		LAIN,	26.0N			2	Z	-				
501	55		CLOUDS, SMOKE PLUMES		27.2N	48	皇	∍	-				
661	99	SAUDI ARABIA	EMPTY QUARTER, HAZE	18.0N	52.0E 24.0N		웆		19910429	120100	138 2		41 17
601	57	SAUDI ARABIA		17.0N	49.0E 24.0N	50.7E	10 HO 1	100 N N	19910429	120100	138 2	269 4	41 17
601	58	SAUDI ARABIA	EMPTY QUARTER, HAZE	17.0N	52.0E 24.0N	50.7E	10 HO 1		19910429	120100	138 2		41 17
601	59	SAUDI ARABIA	EMPTY QUARTER, HAZE	16.0N	52.0E 20.8N	53.0E	10 HO 1	100 N N	19910429	120200	138 2	272 3	38 17
601	9	SAUDI ARABIA	ш	15.0N	.0E		오		19910429	120200	138 2		38 17
601	61		u	17.0N	96.	53	20		-	120200		~	38 17
601	62	OMAN	BAY, SALALAH	16.5N	9	2	오	z		120200			38 17
601	63	OMAN	UMR MTS., S	17.0N	.0E 20.	53,	2		-	120200			
601	64	OMAN	DAMAR BAY, DISSECTED PL.	15.5N	52.0E 17.5N	55.2E	10 HO 1	100 N N	19910429	120300	138 2	276 3	36 17
109	c	NAMO	TO TOTAL O	10. C+	0. 17	55.2E	2		1001042				16 17
1 00	9	MEXICO	٠ د د		. Ut 1/.	_	3 5	z =	٠.				
901	2,2	E XICO	COAST, VENT DARK		3	. 8	3 -		• •		130	7.0	1 4
601	. 60	OT XIE	-		3	. 80	3 5	=	• -		139	2.2	4
602		FRANCE	RA. LIGUR		O.E	, m	2	Z	٠.				52 18
602	7	FRANCE	GULF OF LIONS, PYRENNES	43.0N	.0E 46	์ ๓	皇	100 N N	-				
602	က	FRANCE	FR. RIVIERA, ALPS, PO V.	43.5N	.0E 46.	<u>ښ</u>	2	z		132300			
٠02	4	ITALY	Ę		.0E	8.0E	2	100 N N	19910429	132400		230 5	_
602	ς.	CORSICA	(7)	42.5N	.0E 4	8.0E	皇	100 N N	19910429	132400		30 5	_
,	•	2				•	-		•				
200	0	LIALY		42.5N	. UE 43		3	100 N	_	132400			
6)2	1	ITALY	SOME SOME	45.0N	.5E 41		2	Z	-	132500			
F 92	ω,	ITALY		41.0N			9	100 N		132500			
6.02	G	SICILY	ING WEST	38.0N	.5E 41.		오	Z	_	132500			
£ 05	10	SICILY	LOOKING	37.5N	.5E 38.	15	오	100 N N	-	132600			49 18
209	11	SICILY	ING	37.5N	38.	15	오	Z	_	132600			
602	12	SICILY	VIEW LOOKING WEST	37.0N	.0E 38.	15.	오	Z	•	132600			
602	13	MEDITERRANEAN SEA	MALTA, AFRICAN COASTLINE	35.0N	14.0E 35.3N	18.	오		-	132700	138 2		
602	14	LIBYA	AL AKHDAR MTS.	32.0N	.5E 35.	18.	2	_	19910	132700			
602	15	LIBYA	BOMBA GULF	32.0N	22.5E 32.3N	21.2E	60 LO 1	100 N N	19910429	132800	138 2	257 4	g
602	16	LIBYA	CLOUDS		32.3N	21.2E	90 00	100 N N	19910429	132800	138 2	257 4	46 18
602	17	LIBYA	BOMBA GULF	32.5N	22.0E 32.3N	21.2E	55 HO 1	100 N N	19910429	132800	138 2	257 4	46 18
209	18	LIBYA	BOMBA GULF, AKHDAR MTS.	32.0N	.0E 29.		오	_	19910429	132900			
209	19	LIBYA	F, AKHDAR	31.0N	.0E 29.	23.	70 HO 1	100 N N	19910429	132900			
209	20	SUDAN	E. SAHARA DESERT		26.0N	26.5E	40 LO 1		19910429	133000	138 2	266 4	42 18
209	2.1	SUDAN	NILE R., L. NASSER	21.0N	30.0E 22.7N	28		100 N N	19910429	133100	138 2		
602	22	ETHIOPIA	PLAT.,		6.1N	39.	07	z	7			283 2	7
602	23	ETHIOPIA	IN PLAT.,		6.1N	39.	오		-				7
602	24	SOMALIA	٠.		2.7N	41.	≥ :	100 N	1991	_			4 18
200	62	SUMALIA	BENADIR COAST		2.7N	41.3E	65 HO	100 N	19910429	133/00	138	285	24 18

TABLE 4-3. STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

			CENTED	MANTE					NI	Z	ſ
P.	FR GEOGRAPHIC NAME	FEATURE	LAT	LAT	CC TL	FL E S		-	AZ	ᇳ	æ
602	26 PACIFIC OCEAN	CLOUDS, SUNRISE		21.5N 135.4W	80 HO	100 N N	19910429	142900 139	74	-5	19
	27 PACIFIC OCEAN			27.9N 130.6W	80 HO	100 N N	19910429	143100 139	9.	2	19
	PACIFIC	I		31.1N 128.0W	65 HO	100 N N	19910429	143200 139	78	ထ	19
		. CALIF.		1 N 1	55 HO		19910429	143200 139	78	œ	19
602	PACIFIC	. CALIF.	35.0N 120.0W	W 31.1N 128.0W	45 HO	100 N N	19910429	143200 139	78	ထ	19
	PACIFIC	DAST, CHA	120	31.1N 128		100 N N	19910429	143200 139	78	∞	19
602	32 USA-CA	SIERRA NEVADA, HAZE	36.0N 118.0W	31	35 HO	100 N N	19910429	143200 139	78	ω	19
602	_	COAST MTS., MONTEREY	36.5N 121.0W	4 34.2N 125.2W	30 LO	100 N N	19910429	143300 139	80	11	19
	34 USA-CA	CISC	120.	34.2N 125.	15 LO	100 N N	19910429	143300 139	80	Ξ	19
: cos	35 USA-CA	SAN JOAQUIN VALLEY	37.0N 120.5W	M 34.2N 125.2W	15 LO	100 N N	19910429	143300 139	80	11	19
									,		
	_	ĽΕΥ	.ON 121.	34.2N		Z	19910429	13	80	=======================================	19
	_	SAN JOAQUIN V., MONO LK.	8	37.1N 122.		z	19910429	13	85	14	19
	38 USA-NV	SIERRA NEVADA, MONO LK.	. 5N	37.1N 122.	2 LO	z	19910429		85	14	19
	39 USA-NV	SIERRA NEVADA, GR. BASIN	37.5N 117.0W	W 37.1N 122.1W	2 원	100 N N	19910429	143400 139	85	14	19
602	40 USA-CA	SAN JO	35.0N 118.0W	37.1N	10 HO	100 N N	19910429	143400 139	85	14	19
, 209	41 USA-CA	VIEW S. SAN JOAQUIN VAL.	35.0N 117.0W	# 37.1N 122.1W	10 HO	100 N Y	19910429	143400 139	85	14	19
602	42 USA-CA	VIEW S. SAN JOAQUIN VAL.	34.0N 118.0W	M 37.1N 122.1W	20 HO	100 N Y	19910429	143400 139	85	14	19
F02	43 USA-CA	VIEW S. SAN JOAQUIN VAL.	36.0N 120.0W	W 37.1N 122.1W	15 LO	100 N Y	19910429	143400 139	85	14	19
	44 USA-CA	VIEW S. SIERRA NEVADA	37.5N 119.0W	W 37.1N 122.1W	5 LO	100 N Y	19910429	143400 139	85	14	19
-02	45 USA-CA	VIEW S. SIERRA NEVADA	34.0N 117.0W	W 37.1N 122.1W	5 연	100 N N	19910429	143400 139	85	14	19
		AND	. SN	37.1N 122.		z			85	14	19
	_	VIEW S. GREAT BASIN	SN.	40.0N 118		z			82	17	19
			42.0N 114.5W	W 40.0N 118.8W	92 PO	100 N N	19910429		82	17	19
	49 USA-ID	SNAKE RIVER VALLEY	42.5N 114.0W	W 40.0N 118.8W	65 LO	100 N Y	19910429	143500 139	82	17	19
	50 CANADA-M	3	8	47.9N 1		100 N N		143800 138	97	56	19
	51 CANADA-M	LKS. WINNIPEG, MANITOBA	51.0N 97.5W	W 50.1N 102.1W	20 0	100 N N	19910429	143900 138	103	53	19
	52 CANADA-M	LAKE WINNIPEG	6 NO.	S	60 HO	z	19910429	143900 138	103	53	19
	53 CANADA-O	EAST	54.0N 83.0W	52.	65 HO	Z	-	144000 138	109	32	19
	54 CANADA-0	μ.	53.0N 82.0W	53.9N		100 N N	19910429	144100 138	115	35	19
602	55 CANADA-Q	JAMES BAY, ICE FLOWS	54.0N 79.0W	ري.	20 HO	_	19910429	144100 138	115	35	19
	56 CANADA-Q	JAMES BAY, ICE FLOWS	54.0N 80.0W	W 53.9N 91.1W	30 10	100 U N	19910429	144100 138	115	35	19
602	57 CANADA-Q	HUDSON BAY, ICE FLOWS	56.0N 78.0W	W 55.3N 84.8W	25 LO	100 U N	19910429	144200 138	123	37	19
602	5P CANADA-Q	HUDSON BAY, ICE FLOWS	56.0N 77.0W	# 55.3N 84.8W	20 LO	100 U N	19910429	144200 138	123	37	19
	59 CANADA-Q	LAURENTIAN UPLAND		3N 84	25 HO	z	19910429	144200 138	123	37	19
602	60 CANADA-N	CHURCHILL RIVER	53.0N 63.0W	# 56.3N 78.2W	25 HO	100 N N	19910429	144300 138	131	40	19
	61 CANADA-Q	HOPE MTS., MANICOUGAN LK	3.0N 6	# 56.3N 78.2W			19910429	144300 138	131	40	19
	62 CANADA-Q	HOPE MTS., MANICOUGAN LK			25 HO	z	19910429	144400 138	140	42	19
	_	RTH UNGAV	9	57.1N 64		100 N N	1991	144500 138	149	44	19
		. SETUBAL BAY	. 5N 9.	40.0N 9.		Z	19910429	145500 138	240	20	19
602	65 PORTUGAL	LISBON, ST. VINCENT CAPE	37.5N 9.0W	4 40.0N 9.6W	35 LO	100 N N	19910429	145500 138	240	20	19

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

	:			CENTER	ER	NADIR	18			1			;	SUN	Z.	
ž	¥	GEOGRAPHIC NAME		¥,		LAI	\neg	- 1	- 1	S		W.S	AL	A7	-	š
602	99	PORTUGAL	ن	38.5N	₹	40.0N	•			z		145500	138	240	20	19
602	67	PORTUGAL		37.0N	8.5W	40.0N	M9.6	15 LO	100 N	Z		145500	138	240	20	13
603	-	MEXICO	W. COAST, G. OF CALIF.	27.0N 1	110.0W	31.1N 1	114.2W	90 FO	100 N	N	9910429	222600	138	257	41	24
603	2	MEXICO	_		106.0W	31.1N 1	114.2W	30 HO	100	z	9910429	222600	138	257	47	24
603	က	MEXICO	S. BAJA, G. OF CALIF.	4.0N	110.0W		111.6W	40 HO	100 A	N	9910429	222700	138	262	46	24
603	4	MEXICO		3.0N	105.0W	27.9N 1	111.6W	30 HO	100 N	Z T	9910429	222700	138	262	46	24
603	လ	PAKISTAN			H	27.3N	69.5E			2		005800	139	75	7	26
603	9	AKISTAN		0	.0E	•	69.5E		_	2		005800	139	75	7	56
603	1	PAKISTAN	RANGE	32.5N	. 5E	30.4N	72.1E	5 LO		Z	9910430	005900	139	9/	S	97
603	ထ	INDIA	ASHMIR			33.5N	•	9 FO	100 L	Z		010000	139	78	∞	97
603	o	INDIA	KARAKORAM RANGE	32.0N	79.0E	36.5N	77.9E	9	100 N	Z	9910430	010100	139	80	12	26
503	5	CHINA	VIEW W TAKE A MAKAN DES	40 ON	Ä		91 25			2		010200	130	G	4	26
603	11	CHINA	TEN SHAN MTS.	44.5N	. e	26	88.5F			: 2		010400	138	6	2 5	26
603	12	MONGOLIA			9		88. 6F					010400	138	06	7	26
603	13	USSR-MIDDLE	AL. IRKUTSK	NO	. OE	1.7N	102.8E			: Z		010700	138	105	30	26
603	14	USSR-MIDDLE	BAYKAL,	S.	. 5E	28	109.6E			Z		010800	137	113	33	26
603	15	USSR-MIDDLE	LAKE BAYKAL, ICE FLOWS	N O.	108.5E		109.6E		100 N	Z		010800	137	113	33	26
603	16	L'SSR-MIDOLE	ICE	4.5N	108.5E	8.	109.6E	20 LO	100 N	-	0430	010800	137	113	33	56
603	17	USSR-MIDDLE	LAKES, PAT. SE. BARNAUL	52.0N	80.5E	52.9N	83.6E	0 0	100 N	2	9910430	023700	137	109	32	27
603	18	USSR-MIDOLE	KUZNETS MTNS.	54.5N	89.05	52.9N	83.6E	0 0	100 N	2	9910430 (023700	137	109	32	27
603	9	IISSR-MIDDLF	KIIZNETS MINS	5.4.5N	AR DE	5.4.58	30 55	ري ح	100	2	9910430	023800	137	7.	3.4	27
200		22222	CAM DIVED VIIVIN DIAIN	. 8			•	, u		: =		2000		2 5	;	
2 6	7 6	0337-740110	A, VILTUI		, i	<u> </u>	108.75			2 2		001470	/27	5.	;	, ;
200	2.2	COCTETY TO ANDS	DODA DODA HINDOA IS	1 NO.10	124.UE	1 N1./C	109.75	22		2 2 2 2	0040166	004470	13/	140	7 .	7 (
500	33	DACTET DEFANDS	1, 01000 t	66.	2	6	•	.		2 2		000000	701	007	7	, ,
500	5 6	PACIFIC OCEAN	DUN		ú	33	149.04T	35 HO	001	2 :		031000	13/	222	0 3	/ 2
500	, ,	711747-K000	ATION, TATAN	5		5 6	-			٠,		041900	757	617	7 (0 6
500	67	USSK-PACIFIC	KARMAN VORIICES, IAIAR S				-		-	- , - :		042000	13/	877	ຂູ	87
003	ם כ	1000A-PACIFIC	HILLED, IMIAN			1 N 2 .	י מ			 - :		042000	13/	877	2 0	07
503	17	CATAN	_	<u>z</u>	ا ا	•	•		100 N	~	_	042000	13/	228	53	82
6 03	28	JAPAN	N. HONSHU ISLAND	38.0N 1	141.0E 4	40.4N 1	.45.2E	9 9 9	100 N	2	9910430	042100	137	236	ဗ	82
603	59	BURMA	GULF OF MARTABAN	16.0N	97.0E	17.5N	96.7E	30 LO	100 N	N N	9910430	085700	137	275	41	31
603	30	THAILAND	BIGHT OF BANGKOK	NO.	101.0E	14.2N	98.8E	55 HO	100 N	Z	9910430 (085800	137	278	38	31
603	31	THAILAND	BIGHT OF BANGKOK	80.	102.0E	14.2N	98.8E	60 HO	100 N	Z	9910430 (085800	137	278	38	31
603	32	THAILAND	MALAY PEN., THAILAND G.	80.	103.0E	7	102.8E			2		000060	137	283	32	31
603	33	MALAYSIA	p£N	3.0N 1	104.0E	2.75 1	108.6E		100 N	 Z	9910430 (090300	137	287	23	31
603	34	INDONESIA					10.6E			7	9910430 (090400	137	288	20	31
603	35	INDONESIA	Ξ.			.58	•			z		009060	137	289	11	31
603	36	INDONESIA	3			. 58	•		_	Z		000000	137	289	11	31
603	37	BRITAIN	D, MORAY F	~ 0	36.	57.1N	2.7W	٥,		₹ :		100900	137	140	42	32
500	3	DRITHIN	UNKNET, SHEILAND ISLANDS	NO. 80	3.0%	N1 . /C	7.7	25 HO	2001	2	9910430	1008001	13/	140	45	32

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

19				CENTER		NADIR		;	,			;	ıs,	SUN	8
39 BRITAIN ORRAELY SHETHAND, FAROE 60.0N 4.0W 57.1N 59 SWEERN 41 USSR-EUROPEAN KREWERCHIG RES., DNEPER 49.0N 32.0E 46.4N 42 USSR-EUROPEAN KREWERCHIG RES., DNEPER 49.0N 32.0E 46.4N 44 USSR-EUROPEAN KREWERCHIG RES., DNEPER 49.0N 32.0E 46.4N 45 USSR-EUROPEAN KREWERCHIG RES., DNEPER 49.0N 32.0E 46.4N 46 USSR-EUROPEAN KREWERCHIG RES., DNEPER 49.0N 31.0E 46.4N 47 USSR-EUROPEAN KREWERCHIG RES., DNEPER 47.0N 31.0E 46.4N 48 USSR-EUROPEAN KREWERCHIG RES., DNEPER 47.0N 31.0E 46.4N 49 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 46.0E 43.8N 49 USSR-EUROPEAN CACASIAN SEA, EAST SHORE 40.0N 52.0E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, BALKAN RA. 39.0N 54.0E 41.1N 54 IRAN KOPET MTS., SARA KUM DES 37.5N 59.0 54.1N 56 IRAN KOPET MTS., KARA KUM DES 37.0N 56.0E 33.2N 56 IRAN DATAN CACASIAN SEA, BALKAN RA. 39.0N 54.0E 41.1N 58 INDIA WESTERN GHATS THUNDERSTORMS 59 INDIA WESTERN GHATS S. COAST 10.0N 75.0E 12.7N 50 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 50 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 52 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 53 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 54 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 55 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 56 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 57 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 58 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 59 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 50 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 51 INDIAN OCEAN SUNGLINT, THU	1	١		LAI	_	LON	- 1	귄	2	1	E S	1	¥	=	š
40 SWEEN GOTLAND IS., BALTIC SEA 57.5N 18.5E 56.8N 41 USSR-EUROPEAN COLUDS OVER UKRAINE 42.0 52.8N 42 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.4N 43 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.4N 44 USSR-EUROPEAN CACAPIAN SEA, MAKHACHKALA 44.0N 32.0E 46.4N 46 USSR-EUROPEAN CACAPIAN SEA, MAKHACHKALA 44.0N 48.0E 43.8N 40 USSR-EUROPEAN CACAPIAN SEA, EAST SHORE 42.0N 40.6E 43.3N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 42.0N 42.0L 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 41.1N 50.6E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 51 IRAN CASPIAN SEA, EAST SHORE 40.0N 50.6E 41.1N 52 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.2N 53 IRAN CASPIAN SEA, EAST SHORE 40.0N 50.6E			SHETLAND, FA	80.0N	.0₩ 57.	7	15 HO		2 1	910430	100900		140	45	32
41 USSR-EUROPEAN CLOUDS OVER UKRAINE 62.8N 42 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.44 43 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.44 44 USSR-EUROPEAN KREMENCHUG RES., DNEPER 47.0N 31.0E 46.44 46 USSR-EUROPEAN CASPIAN SEA, RAKHACHKALA 44.0N 48.0E 43.8N 45 USSR-EUROPEAN CACCASUS MTS., CASPIAN S 43.0N 46.0E 43.8N 40 USSR-EUROPEAN CACCASUS MTS., CASPIAN S 43.0N 46.0E 43.8N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 51 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N			IS., BALTIC	57.5N	. 5E 56.		55 HO	100 N	Z	9910430	101100		158	47	32
42 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.4N 43 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.4N 44 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 32.0E 46.4N 46 USSR-EUROPEAN KREMENCHUG RES., DNEPER 49.0N 31.0E 46.4N 46 USSR-EUROPEAN CACAPIAN SEA, EAST SHORE 49.0D 45.0E 43.8N 49 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0D 52.0E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0D 52.0E 41.1N 51 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 52 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 53 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 54 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 55 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 54 IRAN CASPIAN 50.0E 41.1N 50.0E 41.1N <th></th> <td>USSR-EUROPEAN</td> <td>_</td> <td></td> <td>52.8</td> <td>30</td> <td>90 HO</td> <td>100 N</td> <td>N 19</td> <td>910430</td> <td>101400</td> <td>137</td> <td>187</td> <td>52</td> <td>32</td>		USSR-EUROPEAN	_		52.8	30	90 HO	100 N	N 19	910430	101400	137	187	52	32
43 USSR-EUROPEAN KREMENCHUG RES., DNEPER 48.0N 32.0E 46.4N 44 USSR-EUROPEAN CASPIAN SEA, MAKHACHALA 44 0N 48.0E 46.4N 45 USSR-EUROPEAN CASPIAN SEA, MAKHACHALA 44 0N 48.0E 46.4N 47 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 47.0N 31.0E 43.8N 48 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 47.0N 46.0E 43.8N 49 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 47.0N 52.0E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 52.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 54 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 55 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 56 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 57 IRAN ELBURZ, KOPET MTS., XARA KUM DES 37.5N 56.0E 33.2N 58 IRAN KOPET MTS., XARA KUM DES 37.0N 56.0E 33.2N 59 INDIA WESTERN GHATS AND SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, BALKAN SEA, SEA, SEA, SEA, SEA, SEA, SEA, SEA,			RES.,	49.0N	.0E 46			100	2	9910430	101700		215	54	32
44 USSR-EUROPEAN CASPIAN SEA, MARACHKARA 47.0N 31.0E 46.4N 46 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 44.0E 43.8N 47 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 44.0E 43.8N 64.0E 43.8N 65.0E 4			9	48.0N		4	60 HO	100 N	N 19	910430	101700	137	215	54	32
46 USSR-EUROPEAN CASPIAN SEA, MAKHACHKALA 44.0N 48.0E 46.4N 46 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 40.E 43.8N 48 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 40.E 43.8N 49 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.DE 41.1N 51 USSR-EUROPEAN CASPIAN SEA, BALKAN RA. 39.0N 56.DE 41.1N 52 USSR-EUROPEAN CASPIAN SEA, BALKAN RA. 39.0N 56.DE 41.1N 54 IRAN CASPIAN SEA, BALKAN RA. 39.0N 56.DE 41.1N 55 IRAN CASPIAN SEA, BALKAN RA. 39.0N 56.DE 41.1N 56 IRAN KOPET MTS., KARA KUM DES 37.5N 50.E 41.1N 57 IRAN KOPET MTS., KARA KUM DES 37.5N 50.E 5.E 6.N 59 INDIA WESTERN GHATS. 21.0N 71.OE 19.4N 60 INDIA WESTERN GHATS. 14.5N 75.E 16.1N 61 INDIAN OCEAN SUNGLINT				47.0N				100	N 19	910430	101700		215	54	32
46 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 44.0E 43.8N 47 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 44.0E 43.8N 47 USSR-EUROPEAN CAMCASUS MTS., CASPIAN S 43.0N 46.0E 43.8N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 52 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 53 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 54 IRAN CASPIAN SEA, KARA KUM DES 33.0N 56.0E 41.1N 56 IRAN KOPET MTS. 37.0N 56.0E 41.1N 56 IRAN KOPET MTS. 37.0N 56.0E 41.1N 57 IRAN KOPET MTS. 37.0N 56.0E 41.1N 59 INDIA KOPET MTS. 37.0N 56.0E 41.1N 60 INDIA KOPET MTS. 37.0N 56.0E 41.1N 61 INDIA KOPET MTS. 37.0N		_	CASPIAN SEA, MAKHACHKALA			45		100	2	9910430	101700	137	215	54	32
47 USSR-EUROPEAN CAUCASUS MTS., CASPIAN S 43.0N 46.0E 43.8N 49 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 41.0N 52.0E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 50.6E 41.1N 53 IRAN CASPIAN SEA, EAST SHORE 40.5N 50.6E 41.1N 54 IRAN ELBURZ, KOPET MTNS. 33.0N 50.6E 41.1N 56 IRAN KOPET MTS. 37.5N 50.6E 41.1N 56 IRAN KOPET MTS. ARACHEL 25.5N 50.6E 41.1N 50 IRAN KOPET MTS. ARACHEL 25.5N 50.6E 51.1N 50 INDIA WESTERN GHATS 25.5N 66.0E 25.9N 60 INDIA WESTERN GHATS 14.5N 75.6E 16.1N 61 INDIA WESTERN GHATS 25.5N 66.0E 27.7N 62		_	CAUCASUS MTS., CASPIAN S	4	90.	49			Z	910430	101800		224	54	32
48 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 42.5N 52.5E 43.8N 49 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 53.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 53 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 54 IRAN CASPIAN SEA, EAST SHORE 40.0N 53.0E 41.1N 55 IRAN KOPET MTS. 33.0N 50.6E 41.1N 56 IRAN KOPET MTS. 37.0N 50.0E 38.2N 58 INDIA WESTERN GHATS 31.0N 61.0E 32.1N 61 INDIA WESTERN GHATS 31.0N 71.0E 9.4N 65 INDIA WESTERN GHATS 32.0N 75.0E 3.4N		_	MTS., CASPIAN	4	.0E 43.	49		100	N 19	- CD	101800	•	224	54	32
49 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 41.0N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 53.0E 41.1N 53 IRAN ELBURZ, KOPET MTNS. 38.0N 56.0E 41.1N 54 IRAN BLURZ, KOPET MTNS. 38.0N 56.0E 41.1N 55 IRAN KOPET MTS. KARA KUM DES 37.5N 58.0E 38.2N 57 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 32.2N 59 INDIA MCSTERN GHATS 25.5N 66.0E 25.9N 60 INDIA MESTERN GHATS 14.5N 75.5E 16.1N 61 INDIA MESTERN GHATS 12.0N 75.0E 13.7N 63 INDIA MESTERN GHATS 10.0N 77.0E 9.4N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 10.0N 77.0E 9.4N 66 INDIAN OCEAN SUNGLINT,		_	SEA,	42.5N	.5E 43.	49		100	Z	9910430	101800		224		32
50 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.5N 52.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, BALKAN RA. 39.0N 53.0E 41.1N 54 IRAN ELBURZ, KOPET MTNS. 38.0N 56.0E 38.2N 55 IRAN KOPET MTS. ARAR KUM DES 37.5N 56.0E 38.2N 56 IRAN KOPET MTS. KARA KUM DES 37.5N 56.0E 38.2N 56 IRAN DARYACHEN VE SISTAN 31.0N 61.0E 32.2N 58 PAKISTAN JA.5N 75.5E 16.1N 60 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 61 INDIAN WESTERN GHATS 14.5N 75.0E 12.7N 62 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 77.0E 9.4N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 10.0S 17.0S			SEA, EAST	41.0N	.0E 41.		25 10	100		910430	101900	137	232	54	32
51 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.00 53.0E 41.1N 52 USSR-EUROPEAN CASPIAN SEA, EAST SHORE 40.00 54.5E 41.1N 53 IRAN ELBURZ, KOPET MTNS. 38.0N 56.0E 41.1N 54 IRAN ELBURZ, KOPET MTNS. 37.5N 56.0E 43.1N 56 IRAN KOPET MTS. 37.5N 56.0E 43.1N 57 IRAN KOPET MTS. 36.0N 59.5E 38.2N 58 PAKISTAN INDIA MESTERN GHATS 31.0N 61.0E 25.9N 60 INDIA MESTERN GHATS 14.5N 75.5E 16.1N 61 INDIA MESTERN GHATS 12.0N 75.0E 12.7N 62 INDIA MESTERN GHATS 12.0N 75.0E 16.1N 63 INDIA MESTERN GHATS 12.0N 77.0E 9.4N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 77.0E 9.4N 6		_	SEA. EAST	40.5N	41	53.3		100 N	N 19	910430	101900	137	232	54	32
52 USSR-EUROPEAN CASPIAN SEA, BALKAN RA. 39.0N 54.5E 41.1N 53 IRAN ELBURZ, KOPET MTNS. 38.0N 56.0E 41.1N 54 IRAN KOPET MTS. KARA KUM DES 37.5N 58.0E 38.2N 56 IRAN KOPET MTS. KARA KUM DES 37.5N 59.0E 38.2N 57 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 25.5N 66.0E 25.9N 59 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 60.0R 26.0N 61 INDIA WESTERN GHATS 12.0N 71.0E 19.4N 40.0N 75.5E 16.1N 60.0N 60.0R 60.0R 60.0N		_	SEA, EAST	40.0N	41	53		100	· -	910430	101900		232	54	35
53 IRAN ELBURZ, KOPET MTNS. 38.0N 56.0E 41.1N 54 IRAN ELBURZ, KOPET MTNS. 37.0N 55.0E 38.2N 55 IRAN KOPET MTS. 37.0N 55.0E 38.2N 56 IRAN KOPET MTS. 37.0N 59.0E 38.2N 57 IRAN KOPET MTS. 36.0N 59.0E 38.2N 58 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 32.2N 59 INDIA DARYACHEN YE SISTAN 31.0N 61.0E 32.2N 60 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 61 INDIA WESTERN GHATS 12.0N 75.0E 16.1N 62 INDIA WESTERN GHATS 31.0N 75.0E 16.1N 63 INDIA WESTERN GHATS 32.0N 75.0E 16.1N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 32.6N 30.8S 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 31.0S 32.5N 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 30.8S			SEA, BALKA	39.0N	41.		45	100		910430	101900		232	54	32
54 IRAN ELBURZ, KOPET MTNS. 37.0N 55.0E 38.2N 56 IRAN KOPET MTS. KARA KUM DES 37.5N 58.0E 38.2N 56 IRAN KOPET MTS. 36.0N 59.5E 38.2N 57 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 25.9N 59 INDIA MESTERN GHATS 14.5N 66.0E 25.9N 60 INDIA MESTERN GHATS 14.5N 75.5E 16.1N 63 INDIA MESTERN GHATS 14.5N 75.5E 16.1N 64 INDIA MESTERN GHATS 12.0N 75.0E 12.7N 65 INDIA MESTERN GHATS 3.COAST 10.0N 77.0E 9.4N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.COAST 10.0N 77.0E 9.4N 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 14.3S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.0S 14			KOPET	38.0N			55	100 N	N 19	910430	101900	137	232	54	32
55 IRAN KOPET MTS., KARA KUM DES 37.5N 58.0E 38.2N 56 IRAN KOPET MTS. 36.0N 59.5E 38.2N 57 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 22.2N 58 PAKISTAN 10.0E 25.5N 66.0E 25.9N 59 INDIA WESTERN GHATS 14.0N 75.5E 16.1N 60 INDIA WESTERN GHATS 12.0N 75.0E 12.7N 62 INDIA WESTERN GHATS 12.0N 75.0E 12.N 63 INDIA WESTERN GHATS 12.0N 75.0E 12.N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.0 85 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.0 85 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.0 85 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.0 85 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.0 85 <t< td=""><th></th><td></td><td>KOPET</td><td>37.0N</td><td>38.</td><td></td><td>40</td><td>100</td><td></td><td>910430</td><td>102000</td><td>•</td><td>240</td><td>53</td><td>32</td></t<>			KOPET	37.0N	38.		40	100		910430	102000	•	240	53	32
56 IRAN KOPET MTS. 36.0N 59.5E 38.2N 57 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 32.2N 58 PAKISTAN INDIA 60.0E 25.9N 60.0E 25.9N 59 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 60 INDIA WESTERN GHATS 14.0N 75.5E 16.1N 62 INDIA WESTERN GHATS 12.0N 75.5E 16.1N 63 INDIA WESTERN GHATS 12.0N 75.0E 12.7N 64 INDIAN WESTERN GHATS 12.0N 75.0E 12.7N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.6N 2.6N 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 5.0N 5.0N 7			KARA KUM DE		.0E 38.	N 56.8E	25 HO	100	2	9910430	102000	137	240	53	32
57 IRAN DARYACHEN YE SISTAN 31.0N 61.0E 32.2N 58 PAKISTAN INDUS DELTA, KARACHI 25.5N 60.0E 25.9N 59 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 60 INDIA WESTERN GHATS 14.0N 75.5E 16.1N 62 INDIA WESTERN GHATS 12.0N 75.5E 16.1N 63 INDIA WESTERN GHATS 12.0N 75.0E 12.7N 64 INDIAN WESTERN GHATS 12.0N 77.0E 9.4N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.6N 2.6N 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN			KOPET MTS.	36.0N	38.	.N 56.8E	20 10	100		910430	102000			53	32
58 PAKISTAN INDUS DELTA, KARACHI 25.5N 66.0E 25.9N 59 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 60 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 62 INDIA WESTERN GHATS 14.0N 75.5E 16.1N 63 INDIA WESTERN GHATS 12.0N 75.0E 12.7N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.08 9.4N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 BRITAIN BLACK SEACH 55.0N 5.0W <th></th> <td></td> <td></td> <td>31.0N</td> <td>1.0E 32.</td> <td></td> <td>20 LO</td> <td>100</td> <td></td> <td>910430</td> <td>102200</td> <td></td> <td></td> <td></td> <td>32</td>				31.0N	1.0E 32.		20 LO	100		910430	102200				32
59 INDIA GULF OF KHAMBHAT 21.0N 71.0E 19.4N 60 INDIA WESTERN GHATS 14.5N 75.5E 16.1N 62 INDIA WESTERN GHATS 12.0N 75.5E 16.1N 63 INDIA WESTERN GHATS 12.0N 75.0E 12.7N 64 INDIAN CEAN SUNGLINT THUNDERSTORMS 2.6N 65 INDIAN OCEAN SUNGLINT THUNDERSTORMS 2.6N 67 INDIAN OCEAN SUNGLINT THUNDERSTORMS 0.8S 68 INDIAN OCEAN SUNGLINT THUNDERSTORMS 0.8S 70 INDIAN OCEAN SUNGLINT THUNDERSTORMS 4.2S 70 INDIAN OCEAN SUNGLINT THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT THUNDERSTORMS 14.3S 72 SUNGLINT THUNDERSTORMS 5.0N 5.0W 72 SUNGLINT THUNDERSTORMS 55.0N 5.0W 72 SUNGLINT		PAKISTAN	LTA,	25.5N	6.0E 25.		55 F	100	N 19	910430	102400	137	264	47	32
60 INDIA WESTERN GHATS 61 INDIA 62 INDIA WESTERN GHATS 62 INDIA 63 INDIA 64 INDIAN OCEAN 65 INDIAN OCEAN 65 INDIAN OCEAN 66 INDIAN OCEAN 67 INDIAN OCEAN 68 INDIAN OCEAN 69 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 61 INDIAN OCEAN 62 INDIAN OCEAN 64 INDIAN 65 INDIAN 66 INDIAN OCEAN 66 INDIAN OCEAN 67 INDIAN OCEAN 68 INDIAN OCEAN 69 INDIAN OCEAN 60 INDIAN OCEAN 6		INDIA		21 ON	10.1	_	15 HO	100	•	9910430	102600	137	273	42	32
61 INDIA 62 INDIA 63 INDIA 64 INDIA 65 INDIA 66 INDIAN OCEAN 65 INDIAN OCEAN 66 INDIAN OCEAN 67 INDIAN OCEAN 68 INDIAN OCEAN 69 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 60 INDIAN OCEAN 61 INDIAN OCEAN 62 INDIAN OCEAN 63 INDIAN OCEAN 64 INDIAN 65 INDIAN 66 INDIAN OCEAN 66 INDIAN OCEAN 67 INDIAN OCEAN 68 INDIAN OCEAN 69 INDIAN OCEAN 60 INDIAN OCE		ATOMA		10 . F.			2 6		: 2		102700	٠.	27.0	1 9	, ;
62 INDIA WESTERN GHATS 17.0N 75.0E 12.7N 63 INDIAN WESTERN GHATS 12.0N 75.0E 12.7N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.6N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.2S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.2S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.2S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.2S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.2S 72 SUNGLINT, THUNDERSTORMS 14.2S 72 SUNGLINT, THUNDERSTORMS 14.2S 72 SUNGLINT, THUNDERSTORMS 14.2S 72 SUNGLINT, THUNDERSTORMS 14.2S 8 SUNGLINT, THUNDERSTORMS 14.2S 9 SUNGLINT, THUNDERSTORMS 14.2S 1 SUNGLINT, THUNDERSTORMS <th></th> <td>ATOM</td> <td></td> <td>20.51</td> <td>2 4</td> <td></td> <td>9 6</td> <td>9 6</td> <td>2 2</td> <td>910400</td> <td>102700</td> <td></td> <td>976</td> <td>? ?</td> <td>3 6</td>		ATOM		20.51	2 4		9 6	9 6	2 2	910400	102700		976	? ?	3 6
63 INDIA WESTERN GHATS, S. COAST 10.0N 77.0E 9.4N 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.6N 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.2S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 1.3S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 1.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 1.4.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 1.4.3S 72 SUNGLINT, THUNDERSTORMS 1.5.0W 8 LUCE BAY, STRANKEAR 55.0N 5.0W 9 TURKEY SURGIAN OCEAN 40.5N 9 SURGIAN		CIONI		12.0	20.		2 2	0 0	2 2	9910450	102/00		0/2	, t	3 6
64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 6.5 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 6.0N SUNGLINT, THUNDERSTORMS 7.50N 8.00 8.5 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 6.7 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 6.9 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.2S 7.0 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 7.1 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 7.1 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 7.2 SULGARIA 8.10N 8.0M 6.7N 8.0M 6.11.2N 8.10M 6.5			CHATC	10.01	1 2	2 6	3 6	2 0	7 - 2 2	0040166	102000	٠ -	201	ò ?	3 6
65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.60 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.25 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.35 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 1.65 72 SUNGLINT, THUNDERSTORMS 1.05 72 VIEW OF MOON 20.95 1 BRITAIN BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 3 TURKEY SUEZ CANAL, EL-TINA BAY 30.5N 27.0E 41.2N 5 ISRAEL HAFIA 32.5N 35.6E 35.4N		TATORI	GRAIS, S.	50. 0.			2 0		2 2	910430	102300		107	, c	3 6
66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS C.88 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.25 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.35 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 8 BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 4 EGYPT HAFIA 32.5N 35.6E 35.4N		MATCHI			9.6	9 6	, u	2 5	2 2	19910450			100	3 6	2 6
67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.25 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.35 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 VIEW OF MOON 20.95 1 BRITAIN BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 2 BULGARIA DARDANELLES 40.5N 27.0E 41.2N 3 TURKEY SUEZ CANAL, EL-TINA BAY 30.5N 32.5E 35.4N 5 ISRAEL HAFIA 32.5N 35.0E 35.4N		MATORI			0.7			200	Z 2	9910400	103100	13/	202	200	25
68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.2S 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 72 VIEW OF MOON 20.9S 1 BRITAIN BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 2 BULGARIA DARDANELLES 40.5N 27.0E 41.2N 3 TURKEY SUEZ CANAL, EL-TINA BAY 30.5N 32.5E 35.4N 5 ISRAEL HAFIA 32.5N 35.0E 35.4N					0.0	5 0		000	2 2	010430	103500		107	2 2	3 6
69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 72 INDIAN OCEAN VIEW OF MOON 2 BULGARIA BLUCE BAY, STRANREAR 5 55.0N 5.0W 55.7N 3 TURKEY A EGYPT 5 ISRAEL HAFIA 5 ISRAEL HAFIA 5 A 12.5N 32.5N 33.5N 35.6R 36.38 44.28 46.38 46.50 47.68 47.00 4			•		ο α ο α				2 2	01043	103500		787	2 5	3 5
69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.25 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.35 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.65 72 VIEW OF MOON 20.95 1 BRITAIN LUCE BAY, STRANREAR 55.0N 5.0W 55.7N 2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 5 ISRAEL HAFIA 32.5E 35.4N			•		•	5		2	- -	2010	007501	_	0	3	7
70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 72 VIEW OF MOON 20.9S 1 BRITAIN LUCE BAY, STRANREAR 55.0N 5.0W 55.7N 2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 5 ISRAEL HAFIA 32.5E 35.4N					4.2			100	2	9910430	103300	137	288	22	32
71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 72 VIEW OF MOON 20.9S 1 BRITAIN LUCE BAY, STRANREAR 55.0N 5.0W 55.7N 2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 4 EGYPT SUEZ CANAL, EL-TINA BAY 30.5N 32.5E 35.4N 5 ISRAEL HAFIA 32.5N 35.0E 35.4N		INDIAN	-		14.3			100 N	N 19	910430	103600	137	289	13	32
72 VIEW OF MOON 20.9S 1 BRITAIN LUCE BAY, STRANREAR 55.0N 5.0W 55.7N 2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 4 EGYPT SUEZ CANAL, EL-TINA BAY 30.5N 32.5E 35.4N 5 ISRAEL HAFIA 32.5N 35.0E 35.4N		INDIAN	_		17.6	S 94.9E		100	N 19	910430	103700	137	289	10	32
1 BRITAIN LUCE BAY, STRANREAR 55.0N 5.0W 55.7N 2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 2 3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 2 4 EGYPT SUEZ CANAL, EL-TINA BAY 30.5N 32.5E 35.4N 3 5 ISRAEL HAFIA			웆				0	100	Z	9910430	103800	•	288	9	32
2 BULGARIA BLACK SEA COAST, VARNA 43.0N 28.0E 41.2N 2 3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 2 4 EGYPT SUEZ CANAL,EL-TINA BAY 30.5N 32.5E 35.4N 3 5 ISRAEL HAFIA		BRITAIN		25.0N				250	Z	9910501	113400		159		49
3 TURKEY DARDANELLES 40.5N 27.0E 41.2N 2 4 EGYPT SUEZ CANAL,EL-TINA BAY 30.5N 32.5E 35.4N 3 5 ISRAEL HAFIA		BULGARIA		43.0N		~		250	z	9910511	114100		224	57	49
4 EGYPT SUEZ CANAL,EL-TINA BAY 30.5N 32.5E 35.4N 3 5 ISRAEL HAFIA HAFIA		TURKEY	DARDANELLES	40.5N		7		250	Z	9910531	114100		224	57	49
5 ISRAEL HAFIA 32.5N 35.0E 35.4N 33	-	EGYPT	ANAL, EL-TINA	30.5N	35	33	35 LO	250	z	9910531	114300	•	240	27	49
	604 5	ISRAEL		32.5N	35	33			Z	9910531	114300		240	27	49
EGYPT GAZA STRIP, EL-ARISH 31.0N 34.0E 32.4N 36		EGYPT		31.0N	.0E 32.		45 LO	250	Z	9910501	114400	136	248	99	48

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTE	1	ADTO								NI O		
R	æ	GEOGRAPHIC NAME	FEATURE	LAT LON		LAT	ည	TL F	ш Ц	S D	DATE	GMT	AL	AZ ZA	핍	S.
604	7	EGYPT	SUEZ CANAL, GR. BITTER L	30.5N 3	32.0E 32.4N	1N 36.1E	35	10 25	250 N	N 1991	9910501	114400	136	248	99	49
604	∞	EGYPT	SUEZ CANAL, NILE R. VAL.	30.0N 3	31.5E 32.4N	1N 36.1E	30	10 25	250 N	N 199	9910501	114400	136	248	99	49
604	σ	PERSIAN GULF	FIRES/	29.0N 4	49.0E 29.2N	2N 38.8E	'n	유 5	250 N	N 199	9910501	114500	137	255	54	49
604	10	KUWAIT		30.0N 4	29				z	N 1991	9910501	114500	137	255	54	49
604	11	PERSIAN GULF	KUWAIT OIL FIRES/PLUMES	NO.	49.5E 29.2	.2N 38.8E	S	원 25	250 N	N 199	9910501	114500	137	255	54	49
604	12	USA-CO	-	S.	107.5W 37.2N	-			250 U	N 1991	9910501	125000	136	16	ထ	20
604	13	USA-CO	COLO. SPRINGS, PIKES PK.	NO.	105.0W 37.2N	107	S	L0 25	250 U		9910501	125000	136	76	9	20
604	14	USA-CO	PUEBLO	. 5N	104.5W 40.1N	IN 103.8W			250 U	N 1991	9910501	125100	136	78	6	20
604	15	USA-NE	NORTH PLATTE RIVER	. 5N	104.0W 40.1N				z	-	9910501	125100	136	78	6	20
604	16	USA-SD	MISSOURI RIVER, L. OAHE	44.5N 10	100.5W 42.9	9N 100.1W	0	LO 25	250 N	N 199	9910501	125200	136	81	13	20
604	17	USA-SD	AREA NORTH SIOUX FALLS	45.0N 9	98.0W 42.9	9N 100.1W	10	~	20 N	N 1991	9910501	125200	136	81	13	20
604	4	NA-MN	CLOUDS AGRICIN TIBE		45	9		10	250 N	100 N	9910501	125300		8	18	50
604	18	USA-MN			45.5	9 6			: z	• -	9910501	125300		8 2	16	2 05
604	20	CANADA	CLOUDS, ICE HUDSON BAY		52.2	81		LO 25	2		9910501	125600		66	56	20
604	2.1	CANADA	ICE HUDSON		52.2N				z	N 1991	9910501	125600		66	56	50
604	22	FRANCE	MARS	43.5N		9N 5.6E			z		9910501	131100	135	227	58	20
604	23	FRANCE	TOULON, SHIP WAKES	43.0N	39.	9N 5.6E			z		19910501	131100		227	28	20
604	24	TUNISIA	⋖	. 5N	.5E 37.	ON 8.9E	0		Z	N 1991	19910501	131200		236	21	20
604	52	LIBYA	TRIPOLI .	33.0N 1	.0E 34.	ON 11.9E	0	N 25	Z	_	9910501	131300		244	99	20
604	56	LIBYA	TRIPOLI	33.0N 1	13.5E 34.0	ON 11.9E	0	N 25	20 N	13	910501	131300	135	244	99	20
70	۲,	10 A D	SMGCTSGSGMILLT		,		•	76	2		1001001	133100	361	600	ç	9
,	, ,	2000	ERSIONES FIRST STEER			3			2 :		TOCOT	001761		200	ם ס	2 5
604	22.0	KENYA	RUDOLF; RIFT	3.5N	4	32			2 :	1991 N	19910501	132200		282	9	ဝှင်
604	67	KENYA		4 . ON	4	35			2 :		19910501	132200		282	3	ဂ္ဂ
604	30	KENYA	<u>L</u>	. O.	4	32			2	-	9910501	132200		285	36	20
604	31	KENYA		S.	4	32.			Z		19910501	132200		285	36	20
604	32	MADAGASCAR	C	. 5S	4.5E 15.	44.			z	N 1991	9910501	132800	136	292	F1	20
604	33	USA-WA	a.	S.	9.5W 44	120.			z	19	910501	142200	136	83	14	51
604	34	USA-WA		8 0	0W 44				z	13	910501	142200	136	83	14	51
604	35	USA-ID	ILLE LAK	8 0.	6.5W 46	116.			z	N 1991	910501	142300	136	86	17	51
604	36	USA-MT	BEAR PAW MTNS., MO. R.	48.5N 10	9.5W 49	.1N 112.1W	2	ro 58	20 N	19	910501	142400	136	91	21	51
604	37	CANADA-S	N. SASKATCHEWAN RIVER	52.5N 10	107.5W 51.2	.2N 107.1W	0	L0 25	250 N	-	9910501	142500	136	96	24	· 6
604	38	MOROCCO	COAST		35.5	.5N 12.3W			2		19910501	144200	135	239	22	19
604	39	MOROCCO	COAST, TELL ATLAS MTS.	34.5N	2.0W 32.4	4N 9.4W	20	유 5	250 N		19910501	144300	135	247	99	51
604	40	MOROCCO	TELL ATLAS MTS.	34.0N	2.0W 32.4	4N 9.4W	10	19 5	250 N	Y 1991	19910501	144300	135	247	99	51
604	41	MOROCCO	DRY RIVER CHANNEL	33.5N	2.0W 32.4	4N 9.4W	10		z		19910501	144300	135	247	26	51
604	42	MOROCCO	DRY RIVER CHANNEL	33.5N	32.	4N 9.4W	9	10 28	250 N		19910501	144300		247	99	51
604	43	MOROCCO	INEL		3.	6			250 N	Y 199;	9910501	144300		247	99	51
604	44	ALGERIA	PLATEAU, DRAA		.0W 29	ô.			250 N	N 199	9910501	144400		254	22	51
604	45	ALGERIA	PLATEAU, ORAA	б	.0W 29.	œ.	0		250 N	¥ 199.	19910501	144400	13	254	55	51
604	46	ALGERIA	DRAA PLATEAU, ORAA WADI	29.5N	6.5W 29.3	3N 6.7W	0	NV 25	20 N	Y 199	19910501	144400	136	254	22	51

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

١	:			CENTER	وم	NADIR		3	;	١	1 1 1 1 1	1	;	, S	SUN	8
¥	<u> </u>	GEOGRAPHIC NAME		LAI			ا ا	. 1	.1	- 1	DAIE	E E	- 1	ļ		5
604	4	ALGERIA	ATEAU,	S.	3.	9.3N	₩.9			Z	19910501			\$ 2	ည	2
604	48	USSR-PACIFIC	COAST, KORYAK RANGE	61.0N 17			167.5E	30 00	250	z	19910501		•	12	37	20
604	49	USSR-PACIFIC	COAST, KORYAK RANGE	61.5N 17	173.0E	57.1N 17	174.6E	15 LO		z	19910501	215800		-	40	99
604	20	USSR-MIDDLE	ARAL SEA, AMUDAR R. DEL.	44.0N E	59.5E 4	44.2N 5	57.1E	№ 0	250	z	19910502	021800	0 136	81	12	29
604	51	USSR-MIDDLE	ARAL SEA, CHERNYSH BAY	46.0N E	59.5E 4	44.2N 5	57.1E	0 N	250	z	19910502	021800	0 136	81	12	57
604	52	USSR-MIDDLE	ARAL SEA, SYRDAR R. DEL.	46.0N 6	61.0E 4	44.2N 5	57.1E	.N 0	250	z	19910502	021800	0 136	8 1	12	59
604	53	USSR-MIDDLE	NORTHERN ARAL SEA		61.0E 4	44.2N 5	57.1E	N 0		z	19910502	021800	0 136	8 1	12	59
604	54	USSR-MIDDLE		2S			57.1E			> 2	19910502	021800	0 136	1 81	12	53
604	55	USSR-MIDDLE	SHEV				61.3E	№		z	19910502	021900	0 136	84	16	59
604	99	USSR-MIDDLE	₹			49.1N 6	2	30 LO		z	19910502	022000	0 136	88	19	29
604	57	USSR-MIDDLE	ARKALYK, MINING OPS.	50.0N	67.0E	49.1N 6	65.9E	№	250	z	19910502	022000	0 136	88	19	59
604	58	USSR-MIDDLE	◂	25		118		5 NV	2	z	19910502	022000	0 136	88	19	9
604	29	USSR-MIDDLE	IRTYSH RIVER, KACHIRY			2	76.5E			z	19910502		13	o o	26	59
604	9	USSR-MIDDLE	KAL			1 N 1	110.4E			z	19910502			-		59
604	61	USSR-MIDDLE	LAKE BAYKAL	S	108.5E		110.4E	15 LO		_	19910502					9
604	62	CHINA	YANGTZE RIVER DELTA		.0E	. 2N	120.7E	10 0		z	19910502					61
604	63	CHINA	HANG-CHOU BAY	30.5N 12	121.0E :	. 2N	120.7E	9 70		z	19910502					61
604	64	CHINA	PLUME,		-	2.1N	123.6E		7	z	19910502					61
604	65	EAST CHINA SEA	SEDIMENT PLUME, YANGTZE		-	32.1N 12	123.6E	0 L0	250	z	19910502	053800	13			61
604	99	CORAL SEA	THUNDERSTORMS			14.45 15	153.6E	100 LO	250	2	19910502	055200	0 135	5 293	22	61
70	73	A 20 18 00 0	SMOCTSOSCHILLT			V	15.0 67.	-	9	2	10010503	065300	40,4	,00	,	ď
000	ò '	CURAL SEA	n			7 2	u :			2 :	7001661					7 6
609	-				-	. 2N	94.0W			2	19910503					82
605	7		BAY,		-	. 6N	43.3W				19910503					84
605	က		æ		-	9.	40.3W			z	19910503					84
605	4		SHIP D		-	9.	40.3W				19910503					84
605	ა		, OCEAN		,	. 6N	40.3W			z	19910503	_				84
605	9		, OCEAN		•	.5₹	37.5W			z	19910503					84
605	7		, OCEAN		-	¥.	32.4W			Z	19910503	+-				84
605	æ		, OCEAN		-	4.1N	32.4W				19910503	_		258	63	84
909	თ	ATLANTIC OCEAN	SUNGLINT, OCEAN FEATURES		-	24.1N 3	32.4W	20 LO	250	Z	19910503	155800	0 135	258	63	84
605	10	ATLANTIC OCEAN	CLOUD VORT., CAPE VERDES	15.0N 2	21.0W	17.5N 2	27.9W	45 HO	250	z	19910503	160000	0 135	272	59	84
605	11	ATLANTIC OCEAN	CLOUD VORT., CAPE VERDES			14.2N 2	25.8W	55 HO	250	2	19910503	160100				84
605	12	SEA OF OKHOTSK	VIEW N., ICE FLOWS, COAST	57.0N 14		54.0N 14	140.5E	55 HO	250	z	19910503	213800	0 139	93	22	88
605	13	USSR-MIDDLE	N. LK. BAYKAL, BRATSK RES	NO.		Z.	108.7E			z z	19910503	230600		84		83
605	14	USSR-PACIFIC	DZHUGDZHUR RANGE	8 0.	136.0E £	. 1K	140.4E	15 LO		z	19910503	231100	0 139	116	34	83
605	15	SEA OF OKHOTSK	FLOW, W. COAST	8 0.			140.4E	90 H9		z	19910503	231100				83
605	16	SEA OF OKHOTSK	FLOW,	55.0N 14	3.0E		147.5E			z	19910503					83
605	17	SEA OF OKHOTSK	, clouds			. 1N	•			z	19910503	~			37	83
605	8 9	USSR-PACIFIC	ULF, ICE FL			6.7N 1	•		~ •	z :	199:0503	~			41	83
cno	61	USSK-PACIFIC	KAMCHAIKA PEN., W. COASI	5/.0N 15	156.0E	56. /N 15	54.55	35 LO	250	2	19910503	231300	0 139	131	4	83

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				LEN	l	MADIA						N IV	
R	FR	GEOGRAPHIC NAME	FEATURE	LAT		LAT LON	CC 7L	FLES	DATE	GMT AL	. AZ	H	OR
605	20	USSR-PACIFIC	KAMCHATKA PEN., W. COAST	96.0N	. 5E	56.7N 154.5I	l	250 N Y	19910503	231300 13	39 131	41	88
	21	USSR-MIDDLE	LK. BALKHASH, KARATAL R.	46.5N	47	. 5N		250 N N	19910504	003400 13	139 77		8
605	22	USSR-MIDDLE	ERN LK, BA	46.5N	78.5E 47	47.5N 78.2E	E 0 LO	250 N N	19910504	003400 13	139 77	10	06
	23	USSR-MIDDLE	_	48.5N	. 5E		C	Z	_				08
	24	SSR-MIDDLE	I IRTYSH	49 ON			· c	: z					6
		HCCD-MIDDLE	TAIC			2	•	: 2					3 6
	0,0	USSN-MIDDLE		20.00	2 4		2 +	2 2	٠.				2 6
	07	USSR-MIDDLE	LK. IELEISK, SATAN MINS.	NO.10	. JE .	ğ	C	Z	◂				2
	27	PACIFIC OCEAN				37.9N 178.6	E 45	250 N N	19910504	005200 14	142 210	99	08
	28	USA-HI	PEARL AND HERMES REEF	28.0N	176.0E		10 0	250 N N	_				
605	53		SHUTTLE PAYLOAD BAY		39	.7N 24.6W	0 LO	250 U N	19910504	063000 142	12 67	-5	94
	30	AFGHANISTAN				Z.	40	Z					95
	31	INDIA	_	15.0N		S	45	_	-		143 263		95
605	32	INDIA	EASTERN GHATS, KISTNA R.	15.0N	79.0E 21.	.0N 79.0E	E 20 LO	250 N N	19910504	082600 14	143 263		95
605	33	INDIA	EASTERN GHATS, PENNER R.	14.5N		21.0N 79.0E	S	_	19910504	082600 14	143 263		95
605	34	INDIA	EASTERN COAST, SH. ARM		21	21.0N 79.0E	10	Z	19910504	082600 14	143 263		95
909	35	INDIA		16.0N	81.0E 21			S0 N	19910504		143 263		95
	36	INDIA					55	Z	_				95
	37	IRAN	AGRIC	33.5N	50.0F 35		15	z	•				96
	8	TRAN	•	33 5N	. 4	N		. 5	٠.				9
	9 6					; ;	,		٠.				9 6
cne_	S S	LKAN	ZAGRUS MIS., DEZ R. KES.	33.UN	48.5E 32	. 94 Ne.	Ų.	L N OGZ	19910504	082200 14	6 27 21	8	o S
909	40	IRAN	DEZ R. RES., DEZFUL	32.5N	48.5E 32	.9N 46.9	ш	250 N Y	19910504	095200 14	142 224	89	96
909	41	IRAN	AREA N. OF AHVAZ	32.0N	48.5E 32.	.9N 46.9		250 N Y	19910504	095200 14	142 224	99	96
605	42	IBAN		32.0N	Ä	Z	c	_					96
	43	IRAN		32 ON	. 4	2	· c	: z					9
	44	TRAN	•	31.5N		. 4) C		• -				9 6
	45	TRAN	. Z	31.5N		ON AB	o	: 2	-				9 6
	46	IRAN	S	31.0N	, "	. Z	· -	: z	٠-				96
	47	IRAN	ZAGROS MTS.	30.5N) C	: 2	٠ -				9 6
	48	IRAN	RID-E KOR RIVER RESER	30.0N	. 4	8 N	· c	2	' -	-			96
	49	IRAN	KOR RIVER,	30.0N	. e.	.8N 49	0	z	• +				96
4	9	T O O O	SOUTH NAME WANTED	ָרָ רָּ		3	u	3	•				9
) ·	i e d	משט,	MC . 7		2 :	o (N DCZ	٠,				9 6
		I KAN		7. ON	. OE	8 8 8	0	Z					96
	25	IRAN	ZAGROS MI	26.5N	. 5E	28	0	Z	-				96
	53	IRAN	ZAGROS MT	26.5N	.0E	2 8		250 N Y	_	095300 14	143 235		96
	54	IRAN	KISH ISLAND, ZAGROS MTS.	26.5N	54.0E 26.	.6N 52.2E		250 N Y	19910504	095400 14	143 246	67	96
	55	PERSIAN GULF	QESHM, TUNB ISLANDS	26.5N	55.0E 26.	89		250 N N	19910504	095400 14	143 246	67	96
	56	UNITED ARAB EMIRATES	DUBAI	25.5N	55.5E 26.	.6N 52.2E		250 N N	19910504	095400 14	143 246	19	96
	57	UNITED ARAB EMIRATES	DUBAI	25.5N	55.5E 26.	N9	0	-	19910504	095400 14	143 246	67	96
	58	UNITED ARAB EMIRATES	F DUBAI	24.0N	55.5E 26.	.6N 52.2E		250 N N	19910504		143 246		96
605	59	ATLANTIC OCEAN	CLOUD FORMATIONS		6	.4N 27.5W		250 N N	19910504	155800 143			100
												١	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				0.111.0		ST.					NI IO		
균	3	GEOGRAPHIC NAME	FEATURE	LAT LON	I LAT LON	NO.	CC TL	F. E.	S DATE	GMT AL	AZ SU	EL	OR
605	90	ATLANTIC OCEAN	CLOUD FORMATIONS		9. 4N	27.5W	70 HO	250 N	N 19910504	155800 142	285	21	100
605	61	PACIFIC OCEAN	CLOUD FORMATIONS		50.0N	167.2W	오	250 N P	N 19910504	170200 141	79		101
605	62	CANADA-0	NOTTAWASAGA BAY, MIDLAND	44.5N 79.	9.5W 45.6N	82.4W		250 N P	N 19910504	171600 141			101
605	63	CANADA-0	LK. SIMCOE, BARRIE	44.5N 79.5W		82.4W		250 N	Y 19910504	171600 141		61	101
605	64	CANADA-0	LK. SIMCOE, BALSAM LK.	44.5N 79.0W	.0W 45.6N	82.4W	07 0	250 N)	19910504	171600 141	175	61	101
605	65	CANADA-0				82.4W	1 0	250 N P	N 19910504	171600 141	175	61	101
909	-		SHUTTLE PAYLOAD BAY				오	250 N P	z				
909	7						유	2	2				
909	m		PAYLOAD				皇	z	-				
909	4		PAYLOAD					z	. 2				
)	•	•				
909	လ		SHUTTLE PAYLOAD BAY				유	250 N I	7				
909	Ç		PAYLOAD				OH O	Z	2				
909	^		PAYLOAD				9	z					
909	00		PAYLOAD					Z	2				
909	o		PAYLOAD				오	2	-				
909			PAVIOAD					2	. =				
909	7		EDIC LIND				9	: 2	. 2				
9 9	: :	41041	֓֞֜֜֜֜֜֜֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֡֓֓֓֡֓				2 9	2 2	•				
909	71	TUNT	SIOKE				3 :	z :	•				
909	13	AIUNI	. RIVER				2	Z	z				
909	4	INDIA	LAND USE, RIVER CHANNELS				07 01	100 N	z				
909	15	INDIA	LAND USE. RIVER CHANNELS				15 10	100 N	-				
909	16	ATONI					_	z	2				
9 0		41011	-		u u		3 5	: 2	: 3				
909	1 0	TADIA		10.28 NC.12	U U		3 5	2 2	> 1				
909	9 !		ż	19.0% 84.	J.C.		2	2 :	•				
909	19		-				2	Z	z				
909	20		-				2	z	7				
909	21	INDIAN OCEAN	SUNGLINT, CLOUDS				2		7				
909	22	INDIAN OCEAN	SUNGLINT, CLOUDS				25 LO		z				
909	23	AUSTRAL IA-WA	EXMOUTH GULF, LK.MACLEOD	24.0S 114.0E	0E		35 HO		~				
909	24	AUSTRALIA-WA	LK. MACLEOD, SHARK BAY	25.55	0E		65 HO	100 N	z				
808	25	AIISTRA! TA-WA	SHARK AAY THUNDERSTORMS	28 55 114 SF	r.		65 HO	N 001	-				
808	28	ALICTDAL TA-MA	WEST COAST THUNDEDSTODES		1		? 9	: 2					
9 9	נ	200 - 201 -	OLOUPS STIMES				2 9	2 2					
909	17	UCEAN	CLOUDS, PLUMES				₽	Z	z				
909	28	USSR-EUROPEAN	AGRICULTURE, UKRAINE				2	Z	z				
909	53	USSR-EUROPEAN	AGRICULTURE, UKRAINE				2	100 N	-				
909	30	USSR-EUROPEAN	KARKINITSK GULF, ODESSA	46.0N 32.0E	0E		55 HO 1	100 N	_				
909	31	USSR-EUROPEAN	KARKINITSK GULF, CRIMEA	46.0N 34.0E	0E		45 LO 1	100 N N	_				
909	32	USSR-EUROPEAN	CRIMEA, SEA OF AZOV		30		40 LO 1	100 N P	_				
909	33	USSR-EUROPEAN	KERCH STRAIT, BLACK SEA	45.0N 37.0E	30		40 LO 1	100 N N	_				
909	34	USSR-EUROPEAN	SOCHI		.0E			Z	_				
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CONTED	١	٥						MIIO	
2	FR	GEOGRAPHIC NAME	FEATURE	LAT" LON	N LAT LON	LON	CC TL	FLES	DATE	GMT	AL ,	AZ WEL	L OR
909	35	BLACK SEA	S OFF COAS	41.5N 40	40.0E			100 N N					
909	36	USSR-EUROPEAN	SED. PLUME NEAR BATUMI	41.5N 41	41.5E		45 LO	100 N N					
909	37	TURKEY	LAKE VAN	39.0N 43	.5£		30 00	100 N N					
909	38	IRAN	LAKE URMIA	38.0N 46.	46.0E		25 LO	100 N N					
909	39	IRAN	ZAGROS MTNS.	36.CN 47.	47.0E		5 60	100 N N					
909	40	IRAN	ZAGROS MTNS.		49.0E			Z					
909	41	IRAN	2.		50.0E		30 10						
909	42	IRAN	ZAGROS MTNS., ARAK		50.5E		35 LO	100 N N					
909	43	IRAN			51.0E		90 FO	100 N					
909	44	IRAN	3.	. 5N	.5E			_					
909	45	IRAN	SOIEYMAN		50.0E			100 N N					
909	46	IRAN	MASJED SOIEYMAN RESER.		49.5E			100 N N					
909	47	IRAN			55.08		15 L0	100 N N					
909	48	IRAN	STRAIT OF HORMUZ, QESHM I	27.0N 56	56.0E		5 10	100 N Y					
909	49	OMAN	STRAIT OF HORMUZ, QESHM I		56.5E		5 10	100 N Y					
909	20	IRAN	STRAIT OF HORMUZ, ZAGROS		57.5E			100 N Y					
909	51	GULF OF OMAN	SHIP WAKES, SPIRAL EDDY		56.5E								
909	25	GULF OF OMAN	SHIP WAKES, INT. WAVES		.0£			z					
909	53		SHIP WAKES, OMAN MINS.	58	. 5E			2					
909	54	OMAN	WAHIBAH SANDS, OMAN MTS.	22.5N 59	.0E		5 10	100 N Y					
909	55	OMAN	WAHIBAH SANDS		60.0E		10 LO	100 N Y					
909	26	OMAN	WAHIBAH SANDS, MASIRAH IS	21.CN 59.	.0E			100 N Y					
909	57	ARABIAN SEA	JET STREAM CLOUDS				45 LO	100 N N					
909	28	USA-FL	ORLANDO, KSC	28.5N 81.	81.0W		25 LO	100 N N					
909	29	USA-FL	ORLANDO, KSC		80.5W		35 LO	100 N Y					
909	9	USA-FL	FT. MEYERS	26.5N 82.	82.0W		30 LO	100 N N					
909	61	USA-FL	LK, OKEECHOBEE		. 5W		35 LO	100 N					
909	62	USA-FL	SW COAST, SEDIMENT PLUME	81	MS.		55 LO	100 N N					
607	-	CANADA	GRAND MANAN IS., JET ST.		45.6N	MS.69	80 HO	100 N N	19910430	113100	138		20 33
607	7	CANADA	GRAND MANAN IS., JET ST.		45.6N	MS.69	80 HO	100 N N	19910430	113100	138	89 2	20 33
607	က	CANADA-NB	CHALEUR BAY, SHIPPEGAN I	47.0N 66.	66.0W 48.0N	65.1W	45 HO	100 N N	19910430	113200	138	94 2	23 33
607	4	CANADA-PEI	NORTHUMBERLAND STRAIT	46.5N 64.	64.0W 48.0N	65.1W	45 HO	100 N N	19910430	113200	138	94 2	23 33
607	2	CANADA-Q	GASPE PEN., NOTRE DAME M	48.5N 65.	.0W 48.0N	65.1W		100 N N	19910430	113200	138		
607	9	CANADA-0	ANTICOSTIA ISLAND	62	.0W 48.0N	65.1W		2	19910430	113200	138		
607	7	CANADA-Q	ANTICOSTIA ISLAND		48.0N	65.1W			19910430	113200	138		
209	œ	CANADA-Q	GULF OF SAINT LAWRENCE		48.0N	65.1W		Z	19910430	113200	138		23 33
607	6	CANADA	PR. EDWARD I., NOVA SCOT	44.0N 63.		60.3W		z	19910430	113300	137		
607	10	CANADA	G. ST. LAW., ANTICOSTIA	48.0N 63.		₩E . 09	35 HO	100 N N	19910430	113300	137	99 2	ന
209	11		CON TRAILS		₹.				19910430	113900	137		က
209	12	ATLANTIC OCEAN	CON TRAILS		96.9N	15.2W	55 HO	100 N N	19910430	114000	137	153 4	45 33

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				CENTER		NADIR							S	'	Г
١		NAME		LAT		T LON	티	리	S	- 1	- 1		"	이	T
	13 BRITAIN		NE SCOTLAND, MORAY FIRTH	96.0N	.0W 55	.2N 1.7W		100	z		114200 1				-
607	14 BRITAIN		NE SCOTLAND, ORKNEY IS.	57.0N	3.0W 55.	.2N 1.7W	40 HO	100	. z	9910430	114200 1	137	172 49	ຕ	
607	15 EUROPE		CLOUDS		52.0N	ON 10.2E	95 10	100		19910430	114400 1	137	191 52	m	
607	16 EUROPE		HUNGARY, YUGOSLAVIA AREA		47.7N	20		100	-	9910430	114600 1	137		33	
607	17 TURKEY		PONTIC MTNS.		39.9N	9N 32.1E	70 LO	100	Z Z	19910430	114900 1		235 54	က	
607	18 TURKEY		PONTIC MTNS., L. AKSEHIR	39.5N	31.0E 39.9N			100		19910430	114900 1	137	235 54	c	
607	19 TURKEY			39.0N	33.0E 39.		30 LO	100		19910430	114900 1	137	235 54	e	_
607 2	20 TURKEY		P.L.,	38.0N			35 HO	100	N N	19910430	114900 1		235 54	33	
607 2	21 TURKEY		KONYA PL., TUZ LAKE	37.0N	31.0E 37.	37.0N 35.4E	55 HO	100		19910430	115000 1	137	242 53	m	
607 2	22 TURKEY		A	37.0N	36.0E 37.	ON 35.4E	95 LO	100		19910430	115000 1	137	သ	33	_
607 2	23 TURKEY		TAURIS, NUR MINS.	38.0N	36.0E 37.	ON 35.4E	07 09	100	Z	9910430	115000 1	137	242 5	က	
607	24 TURKEY		NUR MTS. EUPHARTES R. R.	37.0N	37.0E 37.0N		65 HO	100	Z	19910430	115000 1	137	242 53	33	
			TOWARD BAGHDAD	33.0N		4				19910430	115200 1			ന	
2 209	26 SAUDI ARABIA	IA		28.0N	48.0E 24.		70 HO	100		19910430	115400 1	137	266 46	ຕ	_
607	27 SAUDI ARABIA	IA	DES., IF		24.5N	5N 46.4E	50 LO	100	z	9910430	115400 1		266 46		_
	SAUDI	IA		26.0N	51.0E 21.3N			100		19910430	115500 1			ຕ	_
607		IA	DWARD	25.0N	51.0E 21.	21.3N 48.7E	15 HO	100		19910430	115500 1	137		က	_
	30 SOCOTRA		ARABIAN SEA	12.5N	4.0E 14	.6N 53.0E	55 LO	100	N	19910430	115700 1			က	_
607	31 SOCOTRA		ARABIAN SEA	13.0N	55.0E 14.	.6N 53.0E	45 LO	100		9910430	115700 1	137	277 39	~	_
607	32 INDIAN OCEAN	AN	THUNDERSTORMS		Ġ.	.0S 66.8E	45 HO	100	Z Z	9910430	120400 1	137	289 18	m	
607	33 INDIAN OCEAN	N.	THUNDERSTORMS		12.	4S 68.9E	40 HO	100	- Z	19910430	120500 1	137	289 1	5 33	
	INDIAN	NA.	THINDERSTORMS		12	8				19910430	120500 1	_	-		
	INDIAN	NA NA	CLOUDS SUNGLINI		. 11.	2 2		3 2		19910430	120600 1		• -) e	
	INDIAN	AN	14.1		40	6		100	: z	19910430			•	٠,	_
	INDIAN	AN	LIMB.		40.	92		100	z	19910430					
607 3	INDIAN	AN	LIMB.		40	92		100	z	19910430	121400 1			~	
607	39 INDIAN OCEAN	AN	ATMOSPHERIC LIMB, SUNSET		43.	96	9 유	100	z	19310430			274 -18	က	
	INDIAN	AN	LIMB,		43.	5S 96.0E	유	100		19910430	121500 1		274 -18	m	
	41 INDIAN OCEAN	AN	LIMB,		43.	5S 96.0E	유	100	Z	19910430	121500 1	137	274 -1	8 33	
607	42 INDIAN OCEAN	AN	ATMOSPHERIC LIMB, SUNSET		43.	90.98 SS	0 40	100		19910430	121500 1	137	274 -1	33	_
607	43 INDIAN OCEAN	AN	ATMOSPHERIC LIMB, SUNSET		43.	5S 96.0E	0 40	100	2	19910430	121500 1	137	274 - 18	33	
			, KANSAS	39.0N	95.0W 41.5N	5N 98,2W	20 HO	100		19910430	125900 1	137	83 15	34	
	45 USA-NE		MISSOURI R., KANSAS CITY		95.5W 41.5N	5N 98.2W	45 HO	100	N N	9910430	125900 1	137	83 1	5 34	
	_			39.5N	95.5W 41.5N		35	100	_	9910430	125900 1	137	_		
	47 USA-MI		LAKES HURON, MICHIGAN	44.0N	85.0W 48.7N	7N 90.2W	70 HO	100	Z Z	9910430	130100 1	137	91 21	33	
	48 USA-MI			44.0N	84.0W 46.7N	7N 90.2W	60 HO	100	-	9910430	130100 1	137			
	49				.64			100	-		130200 1	137			
			VIEW		49			100	~ 2 2			137	96 24		
	51 CANADA		N. 0.11	45.0N	82.0W 49.	85.		100	2 : 2 :		- '	_ ,	96 2	8	
/00	CANADA		CLUUDS, OUI OF FOCUS		91.	. ZN 80.0W	90 HO		z	9910430	130300 1		101 2	~	

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ā	a	GEOGRAPHTC NAME	FEATURE	CENTER		NADIR	۲	1 1 1	"	DATE	J.N.	Ā	A7 S 'A	-،مع	6
209	23		NEES OUT OF FOCUS A	42 ON 2	يا	38 6	50 10	1	Z	9910430	131700	136	٦١	1	
607	5.0	ZIAGV	PYRENEES OUT OF FOCUS	. ~	4			100	: 2	9910430	131700	136		55.	34
607	55	BALEARIC ISLANDS	JORCA, OUT OF FOCUS	. NO.	4	8	25 H3	100	. Z	9910430	131700	136		55	34
607	99		OUT OF FOCUS	4	44	ന		100	Z	19910430	131700	136			34
607	57	BALEARIC ISLANDS	OF FOCUS	39.0N 3.	.0E 44.0N	က	20 HO		Z	9910430	131700	136	222		34
607	58	SARDINIA	T, OUT OF FOCUS	SN.	.5E 41.3N	7		100	Z	9910430	131800	136	230		34
607	69	TUNISIA	OUT OF FOCUS	7.0N 11		11	20 LO	100	Z	9910430	131900	136	238	•	34
607	9	TUNISIA	FOCUS	11	.0E 38.5N			100	Z	9910430	131900	136	238	4	34
607	61	TUNISIA		11	.0E 38.5N		15 LO		z	19910430	131900	136	238	54	34
607	29	LIBYA	AST, OUT OF FOCUS	32.5N 15.	.0E 35.5N	14	15 LO	N 001 C	Z	9910430	132000	137	245	53	34
607	63	LIBYA	COAST, OUT OF FOCUS	31.0N 16.	.0E 32.5N	17.16	10 L	0 100 N	Z	9910430	132100	137	252	51	34
607	64	LIBYA	OUT OF FOCUS	31.0N 16.	E 32.	17	_	100	Z	19910430	132100	137	252	51	34
607	65	LIBYA	OUT OF FOCUS	17		17		100	2	9910430	132100	137	252	51	34
607	99	LIBYA	SIDRA, OUT OF FOCUS	30.5N 18.	.0E 32.5N	17.1E		100	≥	9910430	132100	137	252	51	34
607	.19	LIBYA	SIDRA, OUT OF FOCUS	30.0N 19.	.0E 29.4N	19.8E	15 LO	100	z	9910430	132200	137	258	20	34
607	68	LIBYA	9. F		29.4N	19.	80 0	100	Z	9910430	132200	137	258	20	34
607	69	EGYPT	RM, OUT OF FOCUS	25		24			2	9910430	132400	137	268	45	34
607	7.0	EGYPT	STORM, OUT OF FOCUS	.5N 25		24.			Z	9910430	132400		268	45	34
607	7.1	SUDAN	RIVER, OUT OF FOCUS	. ON 30		1 27.0E	5 HO		z	19910430	132500		272	43	34
109	12	SUDAN	NILE RIVER, OUT OF FOCUS 1	19.0N 31.	0E 16.4N	1 29.2E	유	N 100 N	z	9910430	132600	137	576	41	34
9	-		VAC CACO IVAG BITTING		40.68	•	c	4 046	-	6040400	003430	1 26	36	-	
000	, -		TATLOND			07	> (- ·	2000166	000000	001	2 ;	- 1	,
808	7		PAYLOAD			9 .	0		.	9910502	064500	136	9/	_ ;	29
608	m ·		PAYLOAD			12	0		z	9910502	064600	135	79	0	29
809	4		PAYLOAD		43.2N	15	0	250 N	2	9910502	064600	135	79		- 62
809	လ		SHUTTLE PAYLOAD BAY			52	0		z	9910502	065300	135	116		62
809	9		BLACK			59	0		ä	9910502	065800	135	158		62
809	7		BLACK		51.8N	7.1	0		¥	9910502	070000	135	176		62
809	ထ		BLACK		49.7N		0		¥	9910502	070100	135	185		62
809	6		BLACK				0		ä	9910502	070100	135	185	99	62
809	01		BLACK		49.7N	1 76.8E	0		ï	9910502	070100	135	185	99	62
809	11		BLACK		26.05	138	0		16	9910502	072500	135	292	10	95
809	12		BLACK		26.05	3 138.8E	0		=	9910502	072500	135	282	01	62
809	13		BLACK			99	0		==	9910502	083100	135	189		63
809	14		BLACK		48.5N	99	0		==	9910502	083100	135	189		63
809	15		BLACK		12.4N	85	0		ä	9910502	084300	136	279		63
608	16		BLACK			85	0		×	9910502	084300	136	279		53
809	17		BLACK		12.4N	92	0		==	9910502	084300	136	279		53
809	18		BLACK		-	96	0		¥	9910502	084500	136	285	42	63
809	19		BLACK			98	0		=	9910502	084600	136	œ	39	63
608	₽		BLACK		21.35	3 112.6E	٥		<u> </u>	9910502	085300	135	293	15	63

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

ã	1 8	GEOGRAPHIC NAME	FFATURE	CENTER	NADIR	ω. 20	3 13 11 13	S DATE	GMT A	A.7	SUN	ě	
200		750000000000000000000000000000000000000	1 N O N I	103	י ט י	Ş١.	,	Ì	-	200	-	1	Γ
909	22		BLACK BLACK		21.35 1	112.0E 112.6F	5 C	9910502	3 5	29 2	3 15	93	
80.0	23		82. ACK		1 30		o	910502		5	٠-		
808	24		B. ACK			-	o	19910502	, -	6	٠,		
808	25		BLACK		7 2 4	. 4	o c	19910502	, -	^	_		
808	2,0		BI ACK		7.75	. ~	o c	19910502	٠.		•		
808	27		BLACK		7 75		o C	19910502	٠	~			
809	28		BLACK		7.75			19910502	-	29	8		
608	53		BLACK		0.95		0	19910502	-	58			
608	30		BLACK		4.08	, α	0	19910502		2 2	. 0		
608	31		BLACK		56.8N	1.2E	0	19910502	095500 13	5 14	0 43	64	
809	32		BLACK			26.4E	· c	19910502	+	5 17	2		
809	33	USSR	THUNDERSTORMS, V. DARK		42.1N	44.48	75 NV 250 0	N 19910502	-	5 21	~		
809	34				30.3N	~		19910502		2.1			
809	35		BLACK		10.7N		0	19910502			1 46		
809	36		BLACK		7.3N		0	19910502	101400 13		₩.		
809	37		BLACK		7.3N	•	0	19910502		2	4		
809	38		BLACK		7.3N		0	19910502	101400 13	9		9	
809	39		BLACK		43.4N	20.0E	0	19910502	113200 13	5 2	7 60		
309	40		BLACK		40.7N	23.7E	Q	19910502	113300 13	15 21	6 61	65	
900	=		300		76.04	37 26	c	100101001	113300 13	310	ú	4	
000	7 :		DLACA		· ·	· ·	.	70001661		ο ,	9 1		
809	7 4 7					•		-					
809	43	SPAIN	=		42.	•	LC 250	~			9		
809	44	FRANCE		. ON 2	33	2.8E	LO 250	199				99	
809	45	ALGERIA	\sim	. 5N	36	•	250	_		5 23			
809	46	TUNISIA		.5N 1	33	9.0E	NV 250	-	130500 13	5 23	9 61	99	
809	47	LIBYA	ZEGHER PLATEAU, DUNES	28.0N 13.0E	E 30.1N	11.8E		N 19910502	130600 13	5 248	8 60		
809	48	LIBYA	MARZUCHIA SANDDUNES	26.0N 15.0E	E 30.1N	11.86	0 NV 250 N	N 19910502	130600 13	5 24	8 60		
809	49	AFRICA	SIN LARGE		7.0N	27.4E 1	100 LO 250 N	19910	131300 13	5 28	5 44	99	
809	20	UGANDA	LAKE ALBERT, RIFT VALLEY	1.5N 31.0	0E 0.3N	31.3E		-	131500 13	5 28	on.		
608	51	MOZAMBIQUE CHANNEL	CLOUDS		9.98	37.2E	35 HO 250 N	N 19910502	131800 13	5 29	3 28	99	
608	25	MOZAMBIQUE	PORT AMELIA	40.		37.2E	LO 250	N 19910502	131800 13	5 29	2		
809	53	MOZAMBIQUE	FERNAO VELOSO BAY	.55 40.	6			199	13	29	2	99	
809	54	MADAGASCAR	MANGOKY RIVER MOUTH	.55 43.	13.		HO 250	19					
608	55	MOZAMBIQUE CHANNEL	NOVA ISLAND	S 43.	13	2	5 LO 250	N 19910502	131900 135	5 29	2		
809	99	MADAGASCAR	R. D., L. IHOTRY	.55 43.	16.		0 NV 250				4 21	99	
809	27		BLACK		26.45	•	0	19910502		7			
809	28	PERU	Ξ	16.08 69.5		Τ.	07	N 19910502	_	~	2		
809	59	PERU	LAKE TITICACA	S 70.	12	75.1W	LO 250		204600 13	59	.0		
809	9	BOLIVIA	1	.55 69	15	73.0W	250	Y 19910502	-	59	2		
												l	1

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

			CENTER	NADIR					SUN		
교	FR GEOGRAPHIC NAME		LAT LON	LAT LON	CC 7L FL E	į	- 1	- 1	AZ	اب	8
809	61	SHUTTLE PAYLOAD EXPER.		7.4S 100.7W	0 250	N 19910502	502 221400	135	293		- 2/
809	62	SHUTTLE PAYLOAD EXPER.		7.4S 100.7W	0 250 N	N 19910502	502 221400	135	293		72
809	63	SHUTTLE PAYLOAD EXPER.		24.0S 90.0W	250	N N 19910502	502 221900	134	295		- 21
809	64	SHUTTLE PAYLOAD EXPER.		24.0S 90.0W		N N 19910502		-	295		12
809	65	SHUTTLE PAYLOAD EXPER.		24.0S 90.0W	250	N N 19910502		134	295	15	72
809	99	SHUTTLE PAYLOAD EXPER.		7.	250	N N 19910502			294	11	- 21
809	67 PACIFIC OCEAN	SHUTTLE PAYLOAD EXPER.		36.55 79.2W	75 HO 250 A	N N 19910502	502 222300	134	290	-	- 21
	58 PACIFIC OCEAN			36.5S 79.2W	HO 250		502 222300	1	290	-	72
809	69	IN CABIN VIEW, ASTRONAUT		3	250	U N 19910502	502 222300	134	290	-	27
809	70			36.5S 79.2W	250	U N 19910502	502 222300	134	290	-	- 21
609	1 USSR-PACIFIC	KAMCHATKA, KLYUCHEVSK V.	56.0N 160.0E	55.1N 161.4E	10 LO 250 P	N 19910504	504 231000	141	137	45 10	105
609			5N 161.5	55.1N 161.	LO 250	2		141	137	45 10	105
609	3 USSR-PACIFIC	SHIPUNSK	3.0N	55.1N 161	LO 250	-		•	137)5
609	4 USA-HI	PEARL AND HERMES REEF	28.0N 176.0W		LO 250		505 005000	142	229	71 10	106
609	5 USA-HI			26.5N 175.5W	NV 250	N N 19910505	505 005100	142	242		106
609	6 USA-HI		9.0N	26.5N 175.		7 19		142	242		106
609	7 KOREA	SE COAST, BANGEOJIN	35.5N 129.5E	39.9N 126.	NV 250		505 034600	141	188	66 1(108
609		SHIMONOSEKI STRAIT	34.0N 131.5E	37.0N 129.	LO 250	z		141	199	-	108
		KUJU, ASO VOĽCANOES	3.5N 131.	37.0N 129.	LO 250	N N 19910505		141	199		108
609	10 JAPAN	HIROSHIMA, KURE	34.0N 132.5E	37.0N 129.5E	LO 250		505 034700	141	199	68 1(108
909	NAGAL 11	TAN OF A	34 5N 123 5F	37 ON 129 SF	0 10 250 4	N N 19910505	505 034700	141	199	68 1	- 801
	12 JABAN		100 TO 10	37 08 120	0 40	. 2			100		-
		2		37.0N 123.	10 230	2 2			n c		
	13 AUSTRALIA-U	CATOMS CADE COAFTON	12.55 143.55	25.53	007 07	٠ -		٠,	205		200
	14 AUSTRALIA-Q	CAIKNS, CAPE GRAFIUN	17.05 140.0E	16 75 142	007 07	2 2	505 053300	141	202		500
	15 AUSTRALIA-Q	DOD'T OF ST I AMBENCE		30 00 146	007 07	7 -			202		601
		FOR OF ST. CAMPENCE	20.7	23 25 143.	10 250				202		601
			3.33 140. A 50 148	23.23.147.	NV 250	N N 19910505			202		100
		. 4	7 02 140 0	23.25.147	NV 250	2		٠-	303		100
		DIVIDING RA	6.05 149.5	23.25 147.	250	N 19	5 053	-	303		109
609	21 AUSTRALIA-O	GR DIVIDING RA AGRIC	26 55 150 5F	26 55 149 6F	5 NV 250 A	N N 19910505	505 053600	141	302	22 10	109
	٠,	T LAG	2	26 55 149	10 250	2		-	302		- 601
		CLOUDS/THINDERSTORMS		32 75 154	HO 250	2	-		300		601
	MAMONT	CLOUDS VERY DARK		75 161	10 250	2			202		100
		VERV		181	250	: 2			297		-
				55 164	2	• -			204		001
	57	2000		50 164	o c	10010505			205		
	,	DABK		55 164	o e	19910505			295	. E	601
	53	DARK		.55 164.	. 0	19910505			295	3 1	. 6
	30 BRITAIN	GRAMPIAN MTS., ARRAN IS.	56.0N 5.5W	56.9N 4.	LO 250	N N 19910505			105	28 1:	111
]

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

교	8	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON	ນ	71.	ы П	S DATE		GMT A	/L /	5	- El (OR
609	31	BRITAIN	FIRTH OF FORTH	6.0N	.0W 5	9N 4	30		z	7			_		28 11	11
609	32	NORWAY	SOUTHERN COAST	8.5N	9	.9N 10.0E			z	_			141 1			111
609	33	NORWAY		NO.	. 5E	.9N 10.0E	15	10 2		-		080600 1	141		36 1	111
609	34	NORWAY	NEAR SANDEFJORD	9.0N 1	.0E	.9N 10.0E						080600 1	141	119		11
609	35	NORWAY	JUST SOUTH OF OSLO	-	0.5E 56.	. 9N			z	-		080600 1	141	119	36 1	111
609	36	NORWAY	AREA EAST OF OSLO	9.5N 1	2.0E 56.	.9N 10.0E	25	10 25	Z	/ 19910505		080600 1	141	119	36 1	111
609	37	USSR-EUROPEAN	_	8.5N 4	6.0E 50.	.2N 40			z	V 19910505		081100 1	141		54 1	111
609	38	USSR-EUROPEAN		8.0N 4	5E	.2N 40	0		250 N Y	199			141		54 1	111
609	39	INDIA	5		18	.3N 76	10	10 2	z	19	05 082	200	142 2		68 1	111
609	40	INDIA	KISTNA RIVER DELTA	16.5N 80	0.5E 18.	.3N 76.4E	S	TO 5	50 N N	N 1991050	S	082200 1	142 ;	268 (68 1	111
609	41	INDIA	KISTNA RIVER DELTA	16.0N 80	0.5E 18.	.3N 76.4E		L0 2!	50 N Y	Y 19910505		082200 1	142	568 (38 1	11
609	42				ď	38	0			19910505				93	22 1	112
609	1.5		BLACK		55					19910505					~	112
609	44	GREENLAND	SE COAST	61.0N 4	43.0W 55.	•	75	19 5		N 19910505		093200 1	141	93	2	112
609	45	BRITAIN	KILBRANNIAN SOUND		.5W 5	8N		N 2	z	N 19910505		093600	141			112
609	46	BRITAIN	KILBRANNIAN SOUND		5.5W 56.	88		N 2	z	Y 19910505		093600	141			112
609	47	SYRIA	EUPHRATES RIVER BASIN		.0E 3	2N 35			z	19		094500 1	141			112
609	48	SYRIA	EUPHRATES RIVER BASIN	36.5N 3	38.5E 36.	.3N 39.0E	30	L0 2		13		094600	141	197	69 1	112
609	49	IRAQ		NO.	.5E 3	3N 3		L0 2	z	199	_	094600	141	7		112
609	20	IRAQ	EUPHRATES RIVER BASIN	33.5N 4	.5E 3	.3N	a	2	z	Y 19910505	60	4600	141	197	69 1	112
0	4	0401		200 640		146		·	, N	10010505		1 004800		701	60	-:-
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609	2	IRAU	COPHRAIES R., SYRIAN DES	Z 2	43.0E 36.	.3N 39.0E		2 2		Y 19910505 V 10010505		094600	141	19/	60	112
600	ים מים) Y Z Z	_			200			2 2	7 .						71
500	င္ပ	1 KAC	AKE P		3. F	3N 39.0E		2 2		N 19910505		084600	£ ;	181	7 7 20 7	112
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60 g	<u> </u>	I RAC		2 2		2 2		2 2	2 2	٠ -	0 4	00/480	761	602		711
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800	n (KUEATT	MARDAH OTI ETRID ETDES	30.0N 40	46.UE 55.	3N 42.0E	>	2 5	2 2	N 19910505	200	00/4	747	602	1	211
n 0 0	3		TIELD TINE	.	4.	•	>	4	2	4	n >		-			71
609	61	SAUDI ARABIA			33	.3N 42			z	N 19910505		094700 1	-			12
609	62	KUWAIT	WAFRAH FIRES		. 0E	.3N 42			2	N 19910505						112
609	63	KUWAIT	=			2N 44			z	13						12
609	64	KUWAIT	BURQAN, WAFRAH FIRES	29.0N 48	9	2N 44			z	19				. 222	72 1	112
609	65	SAUDI ARABIA	IRRIGATION PLOTS		30.	.2N 44				-						12
609	99	KUWAIT		9.5N		.2N 44			Z	N 19910505					~	112
609	67	KUWAIT	_	NO. 6	.0E 30.	.2N 4	0		z					222		12
609	68	KUWAIT	AL BURQAN OIL FIRES	.5N 4	8.0E 30.	.2N 44.				7 19910505				222		112
610		USA	·		9	.ON 122.			0	N 19910430		800		85	13	35
610	2	USA-OR	HARNEY BASIN, CRUMP LK.	42.5N 120	120.0W 42.	.7N 119.2W		NV 2	20 N	V 19910430	30 142	2900 1	137	82	9	35

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

				MADTE					ľ	NI	
RL FR	R GEOGRAPHIC NAME	FEATURE	LAT LON L	LAT	CC TL F	LES	DATE	GMT AL	AZ	EL	OR
	3 USA-0R	HARNEY BASIN	42	.7N 119.2W	2	z	19910430	142900 13	85	16	35
	4 USA-WA	COLUMBIA PL., POTHOLES R	119.0W 42	. Z	2	z z	19910430	142900 137	85	16	35
	_	COLUMBIA/SNAKE RIVERS	MO. 011 NO	N .		~		142900 137	85	16	35
	6 USA-WA	SNAKE RIVER		.7N 119.2W	0 LO 250	×	19910430	142900 137		16	35
		SNAKE RIVER, LEWISTON	46.5N 117.0W 42	42.7N 119.2W	2	×	19910430	142900 137		16	35
	8 USA-ID	SALMON RIVER MTNS.	45	.4N 115.3W	≩	0 N N	9910430	143000 137		19	35
	9 USA-MT	MARIAS RIVER	48.5N 111.0W 45		0 NV 250	z	19910430	143000 137	88	19	35
610 10	0 USA-MT	MARIAS RIV., LK. ELWELL	48.5N 111.5W 47	47.8N 110.9W	5 NV 250	> 2	19910430	143100 137	93	23	35
610 11	1 USA-MT	υ,	5N 109.5W		10 NV 250	z	19910430	143100 137		23	35
610 12	2 USA-MT	MOUNTAINS/SNOW COVER	110.5W	.8N 110.9W	2	Z	9910430	143100 137	6	23	35
610	3 IISA-MT	VELLOWSTONE BIVER	47 ON 105 OW 47	47 8N 110 OW	30 10 250	2	0010430	142100 127	0	23	3,5
۱			5N 111 OF	_	3 =	2				2 6	35
		NASKAIIPT 8 I MELVTIIF	5N 61 0W		2 2	: z			-	47	3.5
		KANO	8.55		? ≥	. z				40	35
		_	.0N 15.0E	15	⋛	2 2				28	35
610 18		S. ZAIRE RIVER BASIN		19.	⋛	z	19910430	150200 137		22	35
610 19	9 ANGOLA		80	.85 21.	2	z	9910430	150300 137	289	19	35
610 20	0 ANGOLA	FIRES, PLUMES	80	.85 21.	2	50 N N 1	9910430	150300 137	289	19	35
2	1 ZAMBIA	LAKE KARIBA '	17.5S 27.5E 15	.5S 25.3E	5 LO 250	0 N N 1	9910430	150500 137		12	35
610 22	2 ATLANTIC OCEAN	CANARY CURRENT, SHIP WA.	16	.7N 16.5W	0	z	19910430	162500 137	275	42	36
610	CENECAL	SAVAN TAMEBANA MANES	14 GN 17 GH 16	14 At MT	0 4 6	2	0040400	162600 127	376	,	96
		INTERNAL WAVES	MC / 7 NC	. VN 10.	2 .	2 2				,	2 6
010		3 ;	16.0	./N 16.		z :				42	5 6
		κ <u>ι</u> :	.ON 16.5W 16	.7N 16.	2 :	2 : 2 :				42	36
		x (.ON 16.5W	16	2 :	≻ : 2 :				42	36
610 27		RIVER	.5N 16.5W	14	2	≻ Z				33	36
	_	RI . ,	.0N 15.0W	14	2	z				39	36
610 29		S., INT.	13.5W	12	2	z				36	36
	SIERRAL	S., INT. WAVES	7.5N 13.5W 10	.0N 12	2	≻ Z				36	36
610 31	GULF OF	, OCEAI	9	.6N 10.	~	z	910430			33	36
610 32	2 GULF OF GUINEA	SUNGLINT, SHIP WAKE	o	.6N 10.4W	15 LO 25		19910430	162800 137	283	33	<u>36</u>
610 33	3 GULF OF GUINEA	SUNGLINT, SHIP WAKE	m	.2N 8.4W	30 LO 250	2	19910430	162900 137	285	30	36
610 34	GULF OF	SHIP	· m	00	2	z		162900 137		30	36
	GULF OF	SHIP.	6	3.2N 8.4W	2	z				30	36
	GULF OF		0	9	2	z		163000 137		27	36
	AFRICA	EARTH L	41	.95 25	오	z				-15	36
610 38	B LESSER ANTILLES	ANGUILLA, SAN MARTIN IS.	18.0N 63.0W 23	23.5N 66.6W	15 LO 250	O N N	9910430	192200 137	7 267	47	38
610 39	9 LESSER ANTILLES	BARBUDA ISLAND	17.5N 62.0W 20	20.2N 64.3W	5 LO 250	Z Z	9910430	192300 137	271	45	38
610 40	LESSER	ST CHRISTOPHER/NEVIS IS.	61.5W	20.2N 64.3W	2	z z	19910430	192300 137	271	45	38
		ISLAND	62.0W	.2N 64.		z				45	38
610 42	LESSER	GUADELOUPE/M. GALANTE IS	16.0N 61.5W 20	.2N 64.3W	25 LO 25	0 N N	9910430	192300 137	271	45	38

TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Continued)

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192300 137 192400 137 192400 137 220200 137 220300 137 222000 137 223800 137 232400 137	222222222222222222222222222222222222222	2222>>222222222222222222222222222222222	<u></u>		192.500 137 192.400 137 220.200 137 220.200 137 220.300 137 222.3800 137 222.3800 137 222.3800 137 222.400 137 232.500 137 232.500 137 232.500 137 232.500 137 232.500 137 232.500 137 232.500 137 232.500 137 232.500 137 232.500 138 05.4100 136 05.4200 136 05.4200 136 05.4200 136 05.4200 136 05.4200 136 05.4200 136 05.4200 138 205.700 138 205.700 138	192300 137 271 192400 137 275 220200 137 110 220200 137 110 222000 137 110 222000 137 261 222800 137 261 223800 137 261 232500 137 77 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 79 232500 137 29 054100 136 209 054200 136 209 054200 136 209 054200 136 209 054200 136 209 054200 136 209 054200 136 209 054200 136 209 054200 136 209 054200 138 255 05400 138 255 05400 138 261 205700 138 261 221000 138 121 221000 138 121
192400 137 192400 137 220200 137 220200 137 222000 137 222000 137 223800 137 232400 137		222>>2222 222222222222222222	99910 99910 99910 99910 99910 99910 99910 99910 99910 99910 99910	• • • • • • • • • • • • • • • • • • • •	192400 137 192400 137 220200 137 220200 137 2222000 137 2222000 137 222200 137 222200 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 136 054100 136 054200 136 054400 136 054500 136 054500 136 054500 136 205000 138 205700 138 205700 138 205700 138	192400 137 192400 137 220200 137 220200 137 222030 137 222000 137 222000 137 222000 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 137 232500 138 054200 136 054400 136 054500 136 054500 138 205000 138 205000 138 221000 138 221000 138 221000 138 221000 138
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159.2E 45 1114.7W 0 1114.7W 35 75.7W 60 96.6E 0	169.2E 45 1114.7W 0 1114.7W 35 75.7W 60 96.6E 0 99.8E 55 99.8E 0 99.8E 0 99.8E 0 107.2E 75 110.0E 45 110.0E 45	159.2E 45 1114.7W 0 1114.7W 35 75.7W 60 96.6E 0 99.8E 0 99.8E 0 99.8E 0 110.0E 45 110.0E 45 110.0E 45 1114.1E 46 1114.1E 46 1114.1E 46 1114.1E 46 1121.3E 25 121.3E 10 121.3E 50 121.3E 50 121.3E 50 121.3E 50 121.3E 50 121.3E 50 121.3E 50	159.2E 45 1114.7W 0 1114.7W 35 75.7W 60 96.6E 0 99.8E 0 99.8E 0 99.8E 0 110.0E 45 110.0E 45 1114.1E 46 1114.1E 46 1114.1E 46 1114.1E 46 121.3E 10 121.3E 25 124.4E 10 127.3E 50 127.3E 50	159.2E 45 1114.7W 35 75.7W 60 96.6E 0 99.8E 0 99.8E 0 99.8E 0 99.8E 0 107.2E 75 110.0E 45 1110.0E 45 1110.0E 10 114.1E 46 1114.1E 46 1121.3E 10 121.3E 10 121.3E 25 1127.3E 50 1127.3E 50	159.2E 45 1114.7W 35 75.7W 60 96.6E 0 99.8E 0 99.8E 0 99.8E 0 99.8E 0 110.0E 45 110.0E 45 110.0E 45 1114.1E 46 114.1E 46 1121.3E 10 1124.4E 5 1127.3E 50 10.2W 00 1127.3E 50 10.2W 00 1127.3E 50 89.8W 55 89.8W 65 89.8W 65 89.8W 65	159.2E 45 114.7W 0 114.7W 35 75.7W 60 96.6E 0 99.8E 0 99.8E 0 99.8E 0 107.2E 75 110.0E 35 110.0E 35 110.0E 10 114.1E 15 114.1E 46 1121.3E 25 121.3E 25 122.3E 50 127.3E 50
27.0N .0W 27.0N 32.6S .0E 36.3N	27.0N 32.6S 32.6S .0E 36.3N .0E 39.2N 39.2N .0E 39.2N .44.7N 46.3N 46.3N	27.0N 114 32.6S 75 32.6S 75 0.0E 36.3N 96 39.2N 99 0.0E 39.2N 99 0.0E 39.2N 99 5.5E 39.2N 99 46.3N 110 46.3N 110 46.3N 110 43.7N 114 43.7N 114 43.7N 114 43.7N 111 5.5E 38.1N 121 5.5E 38.1N 121 5.5E 35.1N 124 6.57.0N 102 6.5M 57.0N 103	27.0N 114 32.6S 75 32.6S 75 32.6S 75 39.2N 99 39.2N 99 .0E 39.2N 99 .5E 39.2N 99 .6E 39.2N 110 46.3N 110 46.3N 110 46.3N 110 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 111 5E 38.1N 121 .5E 38.1N 121 .5E 35.1N 124 .6E 35.1N	27.0N 114 32.6S 75 0.0E 36.3N 96 32.8N 99 39.2N 99 39.2N 99 5.E 39.2N 99 5.E 39.2N 99 46.3N 110 46.3N 110 46.3N 110 46.3N 110 43.7N 114 43.7N 114 44.7N 114 44.7N 114 45.7N 114 46.7N 114 47.7N 114 48.7N 114	27.0N 114 32.6S 75 32.6S 75 32.6S 75 32.6S 75 39.2N 99 39.2N 99 .0E 39.2N 99 .5E 39.2N 99 .46.3N 110 46.3N 110 46.3N 110 46.3N 110 46.3N 110 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 114 65.1N 124 .0W 29.2N 89 .0W 29.2N 89 .0W 29.2N 89 .0W 29.2N 89	27.0N 114 32.6S 75 32.6S 75 32.6S 75 32.6S 75 39.2N 99 39.2N 99 39.2N 99 56 39.2N 99 46.3N 110 46.3N 110 46.3N 110 46.3N 110 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 114 43.7N 112 56 38.1N 121 56 35.1N 124 50 W 29.2N 89 50 W 29.2N 89 50 W 29.2N 89 50 C 55.2N 161
97.0E	111.0W 97.0E 99.0E 102.0E	97.0E 99.0E 99.0E 102.0E 121.5E 121.5E 123.5E 126.5E 126.5E	111.0W 97.0E 99.0E 102.0E 121.5E 123.5E 126.5E 126.5E 126.0W 97.0W 96.0W	111.0W 97.0E 99.0E 100.0E 121.5E 121.5E 123.5E 126.5E 126.5E 126.0W 95.0W 95.0W 95.0W	97.0E 99.0E 102.0E 121.5E 123.5E 126.5E 126.5E 126.5E 126.0W 96.0W 96.0W 96.0W	97.0E 99.0E 102.0E 121.5E 121.5E 123.5E 126.5E 126.5E 126.0W 95.0W 95.0W 95.0W 95.0W
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TABLE 4-3.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY ROLL AND FRAME (Concluded)

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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME

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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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10 AGRICULTURE, CLOUDS 15 LO 100 O N AGRICULTURE, CLOUDS 15 LO 100 O N AGRICULTURE, CLOUDS 15 LO 100 O N AGRICULTURE, CLOUDS 15 LO 100 O N	88	o		URE,			LO 100 0					
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19	20 G	81					LO 100 O					
20 CCLOUDS, LAND USE PATTERN 21 CLOUDS, LAND USE PATTERN 22 CLOUDS, LAND USE PATTERN 23 CLOUDS, LAND USE PATTERN 24 CLOUDS, LAND USE PATTERN 25 CLOUDS, DESERT AREA 26 CLOUDS, DESERT AREA 36 CLOUDS, DESERT AREA 37 CLOUDS, DESERT AREA 38 DESERT AREA 39 DESERT AREA 30 CLOUDS, LAKE 30 CLOUDS, LAKE 30 CLOUDS, LAKE 30 CLOUDS, LAKE 30 CLOUDS, LAKE 30 CLOUDS, LAKE 31 CLOUDS, RIVER 31 RIVER, AGRICULTURE 31 RIVER, AGRICULTURE 31 RIVER, AGRICULTURE 31 RIVER, AGRICULTURE 31 SWALL RIVERS, LAKE 31 CLOUDS 31 CLOUDS 31 CLOUDS, RIVER 31 RIVER, AGRICULTURE 31 CLOUDS 31 CLOUDS, RIVER 31 RIVER, AGRICULTURE 31 CLOUDS, RIVER 31 RIVER, AGRICULTURE 31 CLOUDS 31 CLOUDS, RIVER 31 RIVER, AGRICULTURE 31 CLOUDS 31 C	88	13		LAKE			LO 100 O					
21 CLOUDS, LAND USE PATTERN 50 LO 100 O N 22 CLOUDS, LAND USE PATTERN 50 LO 100 O N 24 CLOUDS, DESERT AREA 10 LO 100 O N 25 CLOUDS, DESERT AREA 15 LO 100 O N 26 CLOUDS, DESERT AREA 5 LO 100 O N 27 CLOUDS, DESERT AREA 5 LO 100 O N 65 AGRICULTURE, LG, AIRPORT 50 LO 100 O N 70 CLOUDS, LAKE 80 NV 250 U N 71 CLOUDS, LAKE 80 NV 250 U N 73 CLOUDS, RIVER 80 NV 250 U N 71 CLOUDS, RIVER 80 NV 250 U N 71 RIVER, AGRICULTURE 5 LO 250 U N 113 RESERVOIR, ESCARPMENT 5 LO 250 U N 114 RESERVOIR, ESCARPMENT 15 LO 250 U N 119 SMALL RIVERS, LAKE 5 LO 250 U N 119 SMALL RIVERS, LAKE 5 LO 250 U N 120 <td< th=""><th>88</th><th>20</th><th></th><th>LAND USE</th><th></th><th></th><th>LO 100 O</th><th></th><th></th><th></th><th></th><th></th></td<>	88	20		LAND USE			LO 100 O					
22 CLOUDS, LAND USE PATTERN 23 CLOUDS, LAND USE PATTERN 24 CLOUDS, DESERT AREA 25 CLOUDS, DESERT AREA 26 CLOUDS, DESERT AREA 27 CLOUDS, DESERT AREA 28 CLOUDS, DESERT AREA 29 CLOUDS, DESERT AREA 20 CLOUDS, LAKE 29 CLOUDS, LAKE 29 CLOUDS, LAKE 20 CLOUDS, LAKE 20 CLOUDS, LAKE 21 CLOUDS 22 CLOUDS 24 CLOUDS 26 CLOUDS 27 CLOUDS, LAKE 28 CLOUDS 29 CLOUDS 29 CLOUDS 20 IN 250 U N 21 CLOUDS 21 CLOUDS 21 CLOUDS 21 CLOUDS 21 CLOUDS 22 CLOUDS 23 CLOUDS 24 CLOUDS 25 CLOUDS 26 IN 250 U N 27 CLOUDS 27 CLOUDS 28 INVER, AGRICULTURE 28 INVER, AGRICULTURE 29 CLOUDS 21 CLOUDS 21 CLOUDS 25 U N 26 U N 26 U N 27 CLOUDS 27 CLOUDS 28 INVER, AGRICULTURE 28 INVER, AGRICULTURE 29 CLOUDS 21 CLOUDS 21 CLOUDS 21 CLOUDS 25 U N 26 U N 26 U N 27 CLOUDS 26 U N 27 CLOUDS 27 CLOUDS 27 CLOUDS 27 CLOUDS 27 CLOUDS 28 INVER, AGRICULTURE 27 CLOUDS 28 INVER, AGRICULTURE 27 CLOUDS 27 CLOU	88	21		LAND USE			LO 100 0					
23 CLOUDS, LAND USE PATTERN 24 CLOUDS, DESERT AREA 25 CLOUDS, DESERT AREA 26 CLOUDS, DESERT AREA 27 CLOUDS, DESERT AREA 28 CLOUDS, DESERT AREA 39 CLOUDS, LAKE 30 NV 250 U N 30 CLOUDS, LAKE 3112 RIVER, AGRICULTURE 3114 RIVER, AGRICULTURE 315 CLOUDS 316 CLOUDS 317 CLOUDS 318 RIVER, AGRICULTURE 319 SMALL RIVERS, LAKE 310 NV 250 U N 311 SMALL RIVERS, LAKE 311 SMALL RIVERS, LAKE 310 N RIVERS, LAKE 311 SMALL RIVERS, LAKE 311 SMALL RIVERS, LAKE 311 SMALL RIVERS, LAKE 312 CARGO BAY, VRY DARK 313 CLOUDS, NAVE 314 CARGO BAY, VRY DARK 315 CARGO BAY, VRY DARK 316 CARGO BAY, VRY DARK 317 CARGO BAY, VRY DARK 318 CARGO BAY, VRY DARK 319 CARGO BAY, VRY DARK 310 CLOUDS, NAVE 310 CARGO BAY, VRY DARK 3110 CARGO BAY, VRY DARK 3111	88	22		LAND USE			LO 100 O					
24 CLOUDS, DESERT AREA 10 LO 100 O N 25 CLOUDS, DESERT AREA 5 LO 100 O N 26 CLOUDS, DESERT AREA 15 LO 100 O N 27 AGRICULTUME, LG, AIRPORT 50 LO 100 O N 65 AGRICULTUME, LG, AIRPORT 80 NV 250 U N 70 CLOUDS, LAKE 80 NV 250 U N 72 CLOUDS, LAKE 80 NV 250 U N 73 CLOUDS, RIVER 80 NV 250 U N 112 RIVER, AGRICULTURE 5 LO 250 U N 113 RIVER, AGRICULTURE 5 LO 250 U N 114 RESERVOIR 5 LO 250 U N 115 SMALL RIVERS, LAKE 5 LO 250 U N 118 SMALL RIVERS, LAKE 5 LO 250 U N 119 SMALL RIVERS, LAKE 5 LO 250 U N 110 SMALL RIVERS, LAKE 5 LO 250 U N 120 SMALL RIVERS, LAKE 5 LO 250 U N 121 SMALL RIVERS, LAKE 5 LO 250 U N 120 SMALL RIVERS, LAKE 5 LO 250 U N 121 CRAGO BAY, VRY DARK 57.2N 28.9W LO 100 N N	88	23		LAND USE			LO 100 O					
25 CLOUDS, DESERT AREA 26 CLOUDS, DESERT AREA 27 CLOUDS, DESERT AREA 65 CLOUDS, LAKE 68 AGRICULTURE, LG. AIRPORT 69 CLOUDS, LAKE 71 CLOUDS, LAKE 72 CLOUDS, LAKE 73 CLOUDS 74 CLOUDS 75 CLOUDS 76 NV 250 U N 77 CLOUDS 78 NV 250 U N 78 NV 250 U N 79 NV 250 U N 71 CLOUDS 71 CLOUDS 72 CLOUDS 73 CLOUDS 74 RIVER, AGRICULTURE 75 NV 250 U N 76 NV 250 U N 77 NV 250 U N 78 NV 250 U N 79 NV 250 U N 71 CLOUDS 71 CLOUDS 72 CLOUDS 73 SNALL RIVERS, LAKE 74 SMALL RIVERS, LAKE 75 LO 250 U N 76 SMALL RIVERS, LAKE 77 LO 250 U N 78 SMALL RIVERS, LAKE 78 NV 250 U N 79 CLOUDS 70 CLOUDS 71 CLOUDS 72 CLOUDS 75 NV 250 U N 76 NV 250 U N 77 NV 250 U N 78 NV 2	88	24					LO 100 0					
26 CLOUDS, DESERT AREA 27 CLOUDS, DESERT AREA 68 AGRICULTURE, LG. AIRPORT 69 CLOUDS, LAKE 70 CLOUDS, LAKE 71 CLOUDS 72 CLOUDS 73 CLOUDS 73 CLOUDS 74 AGRICULTURE 113 RIVER, AGRICULTURE 114 RIVER, AGRICULTURE 115 RESERVOIR ESCARPMENT 116 SMALL RIVERS, LAKE 117 SMALL RIVERS, LAKE 118 SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 110 CLOUDS, WATER 1110 CLOUDS, LAKE 1111 SMALL RIVERS, LAKE 112 SMALL RIVERS, LAKE 113 SMALL RIVERS, LAKE 114 SMALL RIVERS, LAKE 115 CLOUDS, WATER 116 CLOUDS, WATER 117 SMALL RIVERS, LAKE 118 SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 110 CLOUDS, WATER 1110 CLOUDS, WATER 1111 SMALL RIVERS, LAKE 1111 SMALL RIVERS, LAKE 1112 SMALL RIVERS, LAKE 1120 CLOUDS, WATER 113 OR CLOUDS, WATER 114 STATE STA	88	52		DESERT			LO 100 O					
CLOUDS, DESERT AREA 65 66 67 68 69 CLOUDS, LAKE CLOUDS, LAKE CLOUDS 72 CLOUDS 73 CLOUDS, LAKE 75 CLOUDS 72 CLOUDS 73 CLOUDS 74 112 CLOUDS 75 CLOUDS 75 CLOUDS 76 113 RIVER, AGRICULTURE 114 RESERVOIR, ESCARPMENT 115 RESERVOIR, ESCARPMENT 116 SMALL RIVERS 120 SMALL RIVERS, LAKE 121 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 SMALL RIVERS, LAKE 120 CARGO BAY, VRY DARK 57.2N 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 105 CARGO BAY, VRY DARK 107 CARGO BAY, VRY DARK 108 CARGO BAY, VRY DARK 108 CARGO BAY, VRY DARK CARGO BAY, VRY	88	56		, DESERT			LO 100 0					
27 CLOUDS, DESERT AREA 65 AGRICULTURE, LG. AIRPORT 66 CLOUDS, LAKE 70 CLOUDS, LAKE 71 CLOUDS, LAKE 72 CLOUDS, LAKE 73 CLOUDS, LAKE 74 CLOUDS 75 NV 250 U N 76 NV 250 U N 77 NV 250 U N 78 NV 250 U N 79 NV 250 U N 70 CLOUDS 71 CLOUDS 72 CLOUDS 73 CLOUDS 74 NV 250 U N 75 NV 250 U N 76 NV 250 U N 77 NV 250 U N 78 NV 250 U N 79 NV 250 U N 79 NV 250 U N 70 CLOUDS 71 CLOUDS 72 CLOUDS 73 NV 250 U N 74 NV 250 U N 75 NV 250 U N 76 NV 250 U N 77 NV 250 U N 78 NV 250 U N 78 NV 250 U N 79 NV 250 U N 79 NV 250 U N 70 NV 250 U N 71 NV 250 U N 71 NV 250 U N 71 NV 250 U N 72 NV 250 U N 73 NV 250 U N 74 NV 250 U N 75 NV 250 U N 76 NV 250 U N 77 NV 250 U N 78 NV												
65 COUDS, LAKE CLOUDS, LAKE CLOUDS, LAKE CLOUDS, LAKE TO CLOUDS TO	88	27		DESERT AF			LO 100 0					
CLOUDS, LAKE CLOUDS, LAKE CLOUDS, LAKE CLOUDS CLOUDS, LAKE CLOUDS CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, RIVER CLOUDS, LAKE CLOUDS, LAKE CLOUDS, LAKE CLOUDS, MATER CLOUDS, MATER CARGO BAY, VRY DARK CLOUDS, LAKE CLOUDS, RIVER CLOUDS, MATER CLOUDS, WATER CARGO BAY, VRY DARK CARGO BAY, VRY DARK CLOUDS, WATER CLOUDS, WATER CLOUDS, WATER CLOUDS, WATER CARGO BAY, VRY DARK CARGO BAY, VRY DARK CARGO BAY, VRY DARK CLOUDS, WATER CLOUDS,	88	65		URE, LG.			LO 250 U					
70 CLOUDS, LAKE 71 CLOUDS 72 CLOUDS 73 CLOUDS, RIVER 73 CLOUDS, RIVER 112 RIVER, AGRICULTURE 113 RESERVOIR 114 RIVER, AGRICULTURE 115 SWALL RIVERS, LAKE 118 SWALL RIVERS, LAKE 119 SWALL RIVERS, LAKE 119 SWALL RIVERS, LAKE 110 SWALL RIVERS, LAKE 1110 SWALL RIVERS, LAKE 112 CLOUDS, WATER 10 A CLOUDS, WATER 10 CARGO BAY, VRY DARK 10 A CARGO BAY, V	88	69		_			NV 250 U					
CLOUDS CLOUDS TO CLOUDS TO CLOUDS TO CLOUDS TO CLOUDS TYPER TRVER, AGRICULTURE TITA RIVER, AGRICULTURE TITA RESERVOIR TITA RESERVOIR TITA RESERVOIR TITA SMALL RIVERS TO CLOUDS, WATER TO A CARGO BAY, VRY DARK TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO CLOUDS, WATER TO TOWN TO TOWN TO THE CLOUDS TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CLOUDS TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CLOUDS TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO THE CLOUDS TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN TO TOWN TO THE CARGO BAY, VRY DARK TO TOWN	88	20		_			NV 250 U					
CLOUDS, RIVER TIVER, AGRICULTURE 113 RIVER, AGRICULTURE 114 RIVER, AGRICULTURE 115 RESERVOIR SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVERS 120 SMALL RIVERS 121 CLOUDS, WATER 103 CARGO BAY, VRY DARK 103 CARGO BAY, VRY DARK 104 CLOUDS, MATER 105 CLOUDS, MATER 107 CLOUDS, WATER 107 CARGO BAY, VRY DARK 107 CLOUDS, WATER 107 CARGO BAY, VRY DARK 107 CLOUDS, WATER 107 CLOUDS, WATER 108 CLOUDS, WATER 109 CARGO BAY, VRY DARK 100 CARGO BAY, VRY DARK 101 CLOUDS, WATER 101 CARGO BAY, VRY DARK 101 CARGO BAY, VRY DARK 101 CLOUDS, WATER 103 CLOUDS, WATER 104 CARGO BAY, VRY DARK 107 CARGO BAY, VRY D	88	7.1		CLOUDS			NV 250 U					
CLOUDS, RIVER 112 RIVER, AGRICULTURE 113 RIVER, AGRICULTURE 114 RIVER, AGRICULTURE 115 RESERVOIR RESERVOIR SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVERS 120 SMALL RIVERS 121 CLOUDS, WATER 103 CARGO BAY, VRY DARK 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 107 CARGO BAY, VRY	88	72		CLOUDS			NV 250 U					
112 RIVER, AGRICULTURE 113 RIVER, AGRICULTURE 114 RIVER, AGRICULTURE 115 RESERVOIR 116 SMALL RIVERS 117 SMALL RIVERS, LAKE 118 SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVERS 120 CARGO BAY, VRY DARK 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 105 CARGO BAY, VRY DARK 106 CARGO BAY, VRY DARK 107 CARGO BAY, VRY DARK 108 CARGO BAY, VRY DARK 109 CARGO BAY, VRY DARK 109 CARGO BAY, VRY DARK 100 N N 25.5W 101 100 N N	88	73					NV 250 U					-
113 RIVER, AGRICULTURE 114 RIVER, AGRICULTURE 115 RESERVOIR 116 SMALL RIVERS 117 SMALL RIVERS, LAKE 118 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 CLOUDS, WATER 0 A CARGO BAY, VRY DARK 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 105 CARGO BAY, VRY DARK 107 CARGO BAY, VRY DARK 107 CARGO BAY, VRY DARK 108 CARGO BAY, VRY DARK 109 CARGO BAY, VRY DARK 100 N N 25.5W 100 N N	88	112		<			LO 250 U					
114 RESERVOIR 115 RESERVOIR 116 SMALL RIVERS 117 SMALL RIVERS 118 SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVER 121 RESERVOIR, RIVER 122 CARGO BAY, VRY DARK 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 105 CARGO BAY, VRY DARK 106 N N 25.5W LO 100 N N	88	113		⋖			LO 250 U					_
115 RESERVOIR RESERVOIR SAALL RIVERS 117 SMALL RIVERS 118 SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVER 121 RESERVOIR, RIVER 122 CARGO BAY, VRY DARK 103 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	88	114					LO 250 U					
116 RESERVOIR, ESCARPMENT 5 LO 250 U N SMALL RIVERS LAKE 118 15 LO 250 U N SMALL RIVERS, LAKE 5 LO 250 U N SMALL RIVERS, LAKE 5 LO 250 U N SMALL RIVERS, LAKE 5 LO 250 U N SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 CLOUDS, WATER 0 A CLOUDS, WATER 103 CARGO BAY, VRY DARK 57.2N 28.9W LO 100 N N 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	8	115		A FORMATION			250 11					
117 SMALL RIVERS 118 SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVER 0 A CLOUDS, WATER 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 57.2N 28.9W LO 100 N N	88	116		RESERVOIR, ESCARPMENT			10 250 U					
SMALL RIVERS, LAKE 119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVER 0 A CLOUDS, WATER 103 CARGO BAY, VRY DARK 57.2N 28.9W 10 100 N N	88	117		SMALL RIVERS			LO 250 U					
119 SMALL RIVERS, LAKE 120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVER 0 A CLOUDS, WATER 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	88	118		RIVERS.			LO 250 U					_
120 SMALL RIVERS, LAKE 121 RESERVOIR, RIVER 0 A CLOUDS, WATER 103 CARGO BAY, VRY DARK 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	88	119		RIVERS,			LO 250 U					_
121 RESERVOIR, RIVER 25 LO 250 U N 0 A CLOUDS, WATER 13.0S 3.9E 60 LO 250 U N 103 CARGO BAY, VRY DARK 57.2N 28.9W LO 100 N N 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	88	120		RIVERS,			LO 250 U					
0 A CLOUDS, WATER 13.0S 3.9E 60 LO 250 N N CARGO BAY, VRY DARK 57.2N 28.9W LO 100 N N 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	88			RESERVOIR, RIVER			25 LO 250 U N					
3 103 CARGO BAY, VRY DARK 57.2N 28.9W LO 100 N N 3 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	93		4	CLOUDS, WATER			60 LO 250 N N			1 301	48	116
3 104 CARGO BAY, VRY DARK 57.3N 25.5W LO 100 N N	93	103		CARGO BAY, VRY DARK			LO 100 N N				20	129
	93	104		BAY, VRY			LO 100 N N	19910506 09	092911 147	7 94	22	129

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ا ھ	FR GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR	=	CC 7L	FL E S	DATE		GMT AL	AZ	SUN	క
96	⋖	CARGO BAY		54.6N 119	MT.	2	100 N	19910501	01 155623	14	3 97	25	53
96		BLANK FRAME		4 5	5.2W		z	-		14	-	52	53
96	20	BAY		.2N 12			z	19910501			2 113	33	54
96	31			~	23.0E	20	z						67
96	41	DARK FRAME			30.4E		Z	4-4			5 278	48	67
96	42				32,1E		Z						67
96	43	OUT OF FOCUS		1.45 32	32.3E	2				13		46	67
96	44	TOTAL CLOUD COVER		.8S	-		100 N N		02 131534	534 135		45	67
96	51	•		.88	5.3E			19910502	02 131702		5 286	41	67
16	12	DARK FRAME		55.3N 2	2.8W	9	100 N N	19910506	06 093229	229 147	7 116	35	129
97	13	DARK FRAME		54.7N	. IE	07		19910506	06 093255	255 146	6 119	37	129
97	14	DARK FRAME		54.5N	9E		100 N N	19910506		302 146	6 120	37	129
97	15	FRAM			6.1E		Z					41	129
6	16	DARK FRAME, CARGO BAY		52.6N	7.4E	9	100 N N	19910506	06 093411	411 146		41	129
97	17	FRAME, CARGO		N6.	9.5E		z	-				43	129
97	18	FRAME, CARGO		_	0.1E		z	-				43	129
97	19	FRAME, CARGO		Z	•		z	-				45	129
97	20	FRAME, CARGO		NO.	5.4E		z					48	129
26	21	FRAME, CARGO		47.9N 18	•			13		7	ç	20	129
97	22	DARK FRAME, CARGO BAY		46.7N 20	0.8E	2		19910506	06 09365	3 14	5 144	29	129
97	23	DARK FRAME, CARGO BAY		46.2N 21	1.65	9	100 N N	19910506	40760 00	704 145	5 145	52	129
97		FRAME CARGO		2			Z	-					129
6	25	FRAME			16.	2	z						132
86	43	BAY		32.7N 52	52.8W		Z	-				69	133
86	44				2.4W	2						70	133
86	45	CARGO BAY		. Z	2.0W	9	z	19910506	06 154034	034 142	2 178	70	133
86	46			31.3N 51	1.6W	2	50 N N	19910506	_	154042 142	2 179	7.1	133
86	47			38		2	z	-	_			71	133
98	48			8 6.	•	2	Z O			207 142		74	133
86	49	CARGO BAY		26.1N 47	7.3W	2	20 N N	19910506	06 154221		2 199	75	133
86	20	CARGO BAY		25.0N 46	9.5W	2	50 N	19910506	06 154241	241 141	1 204	75	133
86	51	CARGO BAY			46.1W	2				251 141		9/	133
86	52	CARGO BAY			4.3W		z	-				11	133
151	81A	∑		22.65 98	3.4E		250	19910430				9	33
151	96	CLOUDS OVER N. EUROPE		52.6N	8.7E 8	9 FO	250 N N					51	34
601	36		9.0N 79.0E	12.1N	81.3E			1991042				31	16
601	42	Ξ;		52	4.8E	오 :		 ·		13		-15	16
601	w 4 .	- 1		. 2S	4.8E	오 :	z :		G			-15	9 :
501	4 4 4 C	SUNSET TERMINATOR		37.25 114	4 .8E	2 5	N 001	1991042 1991042	29 105000 29 105000	5	717 8	- 15	9 4
		:			-	2	:		,	:		:	:

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

2	GEOGRAPHIC NAME	FFATIIRE	NO TAI	NO.	S	F	4	v.	DATE	₹	₹	₹	<u>.</u>	č
		CHACET TERMINATOR		37 25 114 RF		ے ار	ءاد	1	19910429	=	1	~	7 -15	1
72		٠.							19910430					
. 6							250 11		19910504				'	
, -		PAYLOAD		:										
		DAVIOAD			•			2						
. ~		PAVIOAD			o c			: 2						
•		OVICE			· c			2						
r u		240.740			•			2 2						
n (PATLOAD			-			2 :						
۰		PAYLOAD			0		250 N	Z						
_		SHUTTLE PAYLOAD BAY			0	2 유	250 N	z						
œ		SHITTIF PAYLOAD BAY			0	HO .	250 N	z						
		DAVIDAD			• •			: 2						
n c		247.040			•			2 2						
<u> </u>					-			2 :						
11		_												
49		IN CABIN VIEW		49.1N 85.6W	0	10	100 N	z	19910430	130200				
50		IN CABIN VIEW		49.1N 85.6W	0	10	100 N		19910430	130200		137 (4 34
-		SHUTTLE PAYLOAD BAY		40.5N 16.0W	0	7	250 N		19910502	064500			9/	7 62
7		SHUTTLE PAYLOAD BAY		40.5N 16.0W	0	7	250 N	Z	19910502	064500		136	9/	7 62
ო		SHUTTLE PAYLOAD BAY				~			19910502				79 1	10 62
4		PAYLOAD		12		~			19910502	064600				10 62
					•									
2		SHUTTLE PAYLOAD BAY				~	250 N	z	19910502					
9		BLACK		55.0N 59.8E	0			∓	19910502	065800		135 1	158 4	49 62
7		BLACK						=	19910502	0 2 0 0 0 0		135 1	176 5	
80		BLACK		49.7N 76.8E	0			ä	19910502	070100		135 16	185 5	56 62
6		BLACK		49.7N 76.8E	0			ä	19910502	070100			185 5	56 6
10		BLACK		49.7N 76.8E				ä	19910502	070100			185 5	56 62
11		BLACK		_				¥	19910502	072500				
12		BLACK						=======================================	19910502	072500				
13		BLACK		48.5N 56.6E	0			¥	19910502	083100		135 18	189 57	7 63
14		BLACK						ä	19910502					
15		BLACK		12.4N 92.4E	0			16	19910502	084300		136 2	279 47	7 63
16		BLACK		92	0			ä	9910502	084300		136 279	9 47	7 63
17		BLACK		A N	0			ĭ	9910502	084300			9 47	
18		BLACK						1	19910502					2 63
19		BLACK						Ĭ	19910502	084600				
20		BLACK		_	0			1	9910502					5 63
21		BLACK		21.3S 112.6E				ä	19910502	085300				
22		BLACK			0			15	19910502					
23		BLACK		21.3S 112.6E				12	19910502	085300				15 63
2.4					•									

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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굺	Æ	GEOGRAPHIC NAME	FEATURE	AT LON	LAT	_	CC TL FL	ш.	S DATE	ļu.	GMT	AL	AZ SULEL	EL	OR
809	25		BLACK		24.55 114.9	96	0		19910502		085400	135	293	12	63
809	56		BLACK			3E	0		19910502		085500	135	282	∞	63
809	27		BLACK			3E	0		19910502		085500	135	282	∞	63
809	28		BLACK			3E	0		19910502		085500	135	282	œ	63
809	58		BLACK		30.9S 120.0E	0E	0		19910502		085600	135	291	S	63
809	30		BLACK			8E	0		19910502		085700	135	289	-	63
809	31		BLACK			1.2E	0		19910502		095500	135	140	43	64
809	32		BLACK		51.7N 26.4E	4E	0		19910502		006560	135	175	54	64
809	34		BLACK			0E	0		19910502		100700	136	248	59	64
809	35		BLACK			. 7E	0		19910502		101300	136	281	46	64
a	95		3		CT ME T	7.5	c		10010502		101400	126	28.4	7	- 4
9 6	,		פראנא			J			01001		000		,	? ;	
808	÷ 6		BLACK			. .	-		19910502		101400	136	787		*
808	88		BLACK			ָ יַר	.		20601661		101400	136	784	2 6	.
809	39		BLACK			0E	0		19910502		113200	135	207	90	65
809	40		BLACK			7E	0		19910502		113300	135	216	61	65
809	41		BLACK		₹.	7E	0		19910502		113300	135	216	61	65
809	42		BLACK		49.5N 13.5W	2M	0		19910502		125900	135	183	99	99
809	23		BLACK		26.4S 48.2E	2E	0		19910502		132300	135	293	11	99
809	61		SHUTTLE PAYLOAD EXPER.		7.4S 100.7W	M/	0 250	z	N 19910502		221400	135	293	32	72
809	62		SHUTTLE PAYLOAD EXPER.		7.4S 100.7W	<u>*</u>		z	4 19910502		221400	135	293	32	72
					;	;							(;	
809	63		PAYLOAD		4.05	3	0 250	Z			221900	134	295	15	72
809	64		PAYLOAD			3		Z			221900	134	295	15	72
809	65				24.0S 90.0W	3		2			221900	134	295	15	72
809	99		SHUTTLE PAYLOAD EXPER.			M9		Z			222000	134	294	11	72
809	69		IN CABIN VIEW, ASTRONAUT		6.55	2M	7	\neg	N 19910502		222300	134	290		72
809	70		IN CABIN VIEW, ASTRONAUT		36.5S 79.2W	2W	2	50 U N	V 19910502		222300	134	290		72
609	56				41.5S 164.5E	5 E	0		19910505		054100	140	295		109
609	27		DARK		.55 164	2 E	0		19910505		054100	140	295	3	109
609	28		DARK		164	. 5E	0		19910505		054100	140	295		109
609	53		DARK		41.55 164.	. 5E	0		19910505		054100	140	295		109
609	42		BLACK		55.6N 38.	.5W	0		19910505		093200	141	93	22 1	112
609	43		BLACK		55.6N 38.5W	MS	0		19910505		093200	141	93	22 1	112
151	8 A	AFGHANISTAN	VIEW EAST KARAKORAM MTS.		35.0N 64.1E		6 0H 09	90 N	W 19910429		102753	142	252	47	17
601	14	AFGHANISTAN			34.7N 64		2	z	N 19910429		102800	138	253	47	16
601	15	AFGHANISTAN	ESERT, HEIHAND R	63	31.6N 67		오	z	¥ 19910429		102900	138	258	45	16
601	16	AFGHANISTAN	MARGOW DESERT, HEIHAND R 30.0N	IN 64.0E	31.6N		오	z			102900	138	258	45	16
	30	AFGHANISTAN	ПSH		68		⋛	z			082200	142	221	89	35
	199	AFRICA	V. W. SAHARA		ιΩ		욷	z	•		144430	138	246	96	52
809	49	AFRICA	-:		.0N 27		L0 2	z	N 19910502		131300	135		44	99
610	37	AFRICA	SUNSET, EARTH LIMB		41.95 25.	.5E	0 H0 25	20 N	N 19910430		164300	136	- 772	-15	36

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

					l								
#	æ	GEOGRAPHIC NAME	FEATURE	LAT	LON LAT LON	LON LON	77 23	FL E S	DATE	GMT	AL A	AZ SUN EL	O.
~	16	ALGERIA	TADEMAIT PLAT, GR. ERG OR.	28.5N	4 . 0E		10 HO	z					
2	17	ALGERIA	-	26.0N	4.0E		9 HO						
2	18	ALGERIA	TASSILI NAJJER,GR.ERG OR	26.5N	•		10 HO	35 N					
~	19	ALGERIA	MOUYDIR MTNS, JET STREAM	23.0N	4.0E		오	z					
73	91	ALGERIA	GRAND F.RG ORIENTAL	28.5N	59	9E.9	N O	z	-			7.1	
83	11	ALGERIA	KAHAL TABELBALA, MTN FOLD	30.0N		36	2	z	-				
83	18	ALGERIA	GUIR WADI, TABLELAND, DES.	31.0N	2.5W 31.3N	M.	2	Z	-	145755 1	140 2	257 46	
83	19	ALGERIA		25.5N	3.0W 29.1N	1.2E	2	z	-				
83	20	ALGERIA	ERG CHECH, ERG IABES	24.5N	3.5W 28.6N	1.5E	0 0		-		140 2	262 44	4 20
83	21	ALGERIA	WADI JUATIA, DUNE FIELD	25.0N	.5E 25.	3.8E	20		19910429	145938	140 2	266 4	2 20
83	22	A! GFRIA	WADT ABELESSA VOLC.CONES	23.0N	4.8F 22.8N	9 05	10 10		19910429	150035	139 2	4	0 20
833	23	ALGERIA	WADI ABELESSA, VOLC, CONES	22.6N	.8E 21.		2	Z	-		G	ന	
06	96	ALGERIA	AI.		28.	1.6E				145842			
06	16	ALGERIA	OASIS, AIRPORT		28.1N	2.0E	2	Z	19910429		140 2	262 44	
06	86	AI GERIA	SMALL DUNES		26.7N	3.1E	2	z	19910429	145918	140 2		3 20
151	34A	ALGERIA	ATLAS MTS., ALBORAN SEA	34.0N	1.0W 31.1N	MS.0	皇		19				
151	34B	ALGERIA	SAHARAN ATLAS, WEST ERG	33.0N		0.9E	皇		13		-	261 45	
151	225A	ALGERIA	TELL ATLAS MTNS.	36.0N	6.0E 40.3N	1.36	60 HO		19910502				6 67
151	526	ALGERIA	TELL ATLAS, NEMENCHA MTS	35.0N	7.5E 38.5N	3.5E	오		7		6	192 57	
151	227	ALGERIA	GRAND ERG EASTERN	33.0N	8.0E 38.3N	3.7E	4 0 HO	250 O N	19910502	130316	139		
151	228	ALGERIA	NEMENCHA MTS MELRHIR L	34.5N	8.5E 37.6N	4.5E	25 LO		19910502	130331	139 1	95 5	8 67
604	44	ALGERIA	reau. D	ď			9	z	-				
604	45	ALGERIA	FAU. DRAA	29.5N	29	6.7W	9						
604	46	ALGERIA	PLATEAU, DRAA	6	29.	W. 9		z	-	144400			
604	47	ALGERIA	DRAA PLATEAU, DRAA WADI	29.5N	6.5W 29.3N		⋛	250 N Y	-		9	254 55	
809	45	ALGERIA	_	34.5N	6.5E 36.2N	90.9	2	z	19910502	130400	135 2	230 6	1 66
81	0 A		R, CAML	16.25	17.36		2	250 N N					
81	33	ANGOLA	SMOKE,	11.05	15.0E		2	\supset					
81	40	ANGOLA	S	10.0S			2	-					
610	19	ANGOLA	FIRES, PLUMES		8.85	21.2E	10 00	250 N N	19910430	150300	137 2	289 19	35
610	20		FIRES, PLUMES		8.85	21.2E	2		19910430	150300	137 2		35
81	0BL	ARABIAN	MONSOON STORM CELLS		≥	79.1 E	오		19910505	082310 1	141 2	251 70	
909	21	ARABIAN SEA					2	z					
93	23	ARGENTINA		28.08		54.7W	2	Z	-			305 32	
93	24	ARGENTINA		31.0S	27	54.2W	皇	z	-	190331			
93	52	ARGENTINA	DE LA	34.55	30	51.8W	웆	250 N N	-				7 119
93	92	ARGENTINA	OE LA	35.08		51.4W	웆	z	-	4			
93	27	ARGENTINA	DE LA	29.02	31	51.0W	오	z	-			304 26	
6	28	ARGENTINA	DE LA	35.05	.0W 31.6	•	오	z	_	_		4	
93	58	ARGENTINA	RIO DE LA PLATA, VRY HAZY	34.05	58.0W 32.2S	£0.3₩	30 HO	250 N N	19910505	190459 1	143 3	304 2	1

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

LA PLATA, VRY HAZY LOUDS A4, SMOKE S. CHILE A5, SMOKE S. CHILE A5, SMOKE S. CHILE A5, SMOKE S. CHILE A5, SMOKE S. CHILE A5, SWOKE S. CHILE A5, SMOKE S. CHILE A5, SWOKE S. CHILE A5, SWOKE S. CHILE A5, SWOKE B5, SMOKE BEN., SEVERE GLARE A1, SEVERE GLARE GLARE GLARE GLARE GLARE GLARE A4, VIEW W. SMOKE PL LA PLATA A5, SEVERE GLARE A4, VIEW W. SMOKE PL LA PLATA A5, SMOKE PL A4, VIEW W. SEVER VIEW A4, VIEW A				CENTER	ĺ	NADIR	,	Ι.	،	25.00	1	:	NOS T	_;	. 6
30 ARGENTINA 31 ARGENTINA 49 ARGENTINA 49 ARGENTINA 49 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 40 ARGENTINA 41 ARGENTINA 41 ARGENTINA 42 ARGENTINA 43 ARGENTINA 44 ARGENTINA 45 ARGENTINA 46 ARGENTINA 47 ARGENTINA 48 ARGENTINA 49 ARGENTINA 40 AR		اد					- 1	- 1	n	UA IE	E S	ا :	7 .	- 1	5
31 ARGENTINA AND A		ANGENIAN	LA PLAIA, VRY	1.03	56.UW 32.45	200			2 :	50501661	190503	143	\$0\$		8 T T
49 ARGENTINA ANDES, CLOUDS 50 ARGENTINA PANORAMA, SMOKE S. CHILE 36.55 51 ARGENTINA VALDES PENINSULA, GLARE 42.05 52 ARGENTINA VALDES PENINSULA, GLARE 42.05 53 ARGENTINA VALDES PENINSULA, GLARE 43.05 54 ARGENTINA VALDES PENINSULA, GLARE 43.05 55 ARGENTINA VALDES PENINSULA, GLARE 43.05 56 ARGENTINA SEVERE GLARE 34.65 49 ARGENTINA RODE LA PLATA 34.05 80 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 80 ARGENTINA ARGENTINA ARGENTINA 80	m	ARGENTINA	LA PLATA, VRY		33.28	4			2	19910505	190518	143	304		119
50 ARGENTINA PANDRAMA, SMOKE S. CHILE 36.5 51 ARGENTINA VALDES PENINSULA, GLARE 42.0S 52 ARGENTINA VALDES PENINSULA, GLARE 42.0S 54 ARGENTINA VALDES PENINSULA, GLARE 42.0S 55 ARGENTINA VALDES PEN., SEVERE GLARE 42.0S 56 ARGENTINA SEVERE GLARE 42.0S 57 ARGENTINA SEVERE GLARE 43.0S 58 ARGENTINA SEVERE GLARE 34.6S 49 ARGENTINA ANDES MINS., LK DIAMANTE 34.6S 80 ARGENTINA ANDES MINS. 36.0S 80 ARGENTINA ARGENTINA ANDES MINS. 36.0S 80 ARGENTINA ARGENTINA ARGENTINA ARGENTINA 8	س	ARGENTINA	ပ		36.25			250 N	Z	19910505	203558	143	304		120
51 ARGENTINA VALDES PENINSULA,GLARE 42.05 52 ARGENTINA VALDES PENINSULA,GLARE 43.05 54 ARGENTINA VALDES PENINSULA,GLARE 43.05 55 ARGENTINA VALDES PENINSULA,GLARE 43.05 56 ARGENTINA VALDES PENINSULA,GLARE 43.05 22 ARGENTINA VALDES PENINSULA,GLARE 43.05 48 ARGENTINA PANORAMA,VIEW W.SMOKE PL 34.65 49 ARGENTINA RIO DE LA PLATA 34.25 80 ARGENTINA ANDES MTNS,LK DIAMANTE 37.05 80 ARGENTINA ANDES MTNS,LK DIAMANTE 37.05 80 ARGENTINA ARGENTINA ANDES MTNS,LK DIAMANTE 36.05 80 ARGENTINA ARGENTINA	ဗ	ARGENTINA	, SMOKE	œ	1.5W 37.2S		30 HO	250 N	Z	19910505	203619	144	303	19	120
52 ARGENTINA VALDES PENINSULA,GLARE 43.05 53 ARGENTINA VALDES PENI,SEVERE GLARE 43.05 54 ARGENTINA VALDES PEN.,SEVERE GLARE 43.05 55 ARGENTINA VALDES PEN.,SEVERE GLARE 43.05 56 ARGENTINA SEVERE GLARE 42.05 23 ARGENTINA PANORAMA,VIEW W.SMOKE PL 34.65 48 ARGENTINA PANORAMA,VIEW W.SMOKE PL 35.05 84 ARGENTINA PANORAMA,VIEW W.SMOKE PL 35.05 85 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS.LK DIAMANTE 34.05 87 ARGENTINA ANDES MTNS. 36.05 89 ARGENTINA ANDES MTNS. 36.05 89 ARGENTINA INTER-MTN.BASINS 26.55 74 ARGENTINA INTER-MTN.BASINS 26.55 63 ATLANTIC OCEAN CLOUDS CLOUDS 65 ATLANTIC OCEAN CLOUDS CLOUDS 67	3	ARGENTINA	٩	. 0S	64.0W 43.6S	29.8W	20 02	250 N	z	9910505	203838	145	300	10	120
5.3 ARGENTINA VALDES PEN., SEVERE GLARE 42.05 5.5 ARGENTINA SEVERE GLARE 43.05 5.6 ARGENTINA SEVERE GLARE 43.05 2.2 ARGENTINA PANORAMA, VIEW W. SMOKE PL 34.65 2.3 ARGENTINA PANORAMA, VIEW W. SMOKE PL 34.65 4.8 ARGENTINA RIO DE LA PLATA 34.05 8.4 ARGENTINA RIO DE LA PLATA 35.05 8.5 ARGENTINA ANDES MTNS, LK DIAMANTE 34.65 8.6 ARGENTINA ANDES MTNS, LK DIAMANTE 34.25 8.7 ARGENTINA ANDES MTNS, LK DIAMANTE 34.05 8.9 ARGENTINA ANDES MTNS, LK DIAMANTE 34.05 8.9 ARGENTINA ANDES MTNS, LK DIAMANTE 34.05 8.9 ARGENTINA ANDES MTNS, LK DIAMANTE 36.05 9.0 ARGENTINA ANDES MTNS, LK DIAMANTE 37.05 9.1 ARGENTINA ARGENTINA ANDES MTNS, LK DIAMANTE 9.2 ATLANTIC OCEAN CLOUDS 6.55 <td>9</td> <td>ARGENTINA</td> <td>٥</td> <td>. 0S</td> <td>64.0W 43.8S</td> <td>59.5W</td> <td>40 LO</td> <td>250 N</td> <td>z</td> <td>9910505</td> <td>203843</td> <td>145</td> <td>300</td> <td>5</td> <td>120</td>	9	ARGENTINA	٥	. 0S	64.0W 43.8S	59.5W	40 LO	250 N	z	9910505	203843	145	300	5	120
54 ARGENTINA VALDES PEN., SEVERE GLARE 55 ARGENTINA SEVERE GLARE 56 ARGENTINA SEVERE GLARE 22 ARGENTINA ANDRAMA, VIEW W. SMOKE PL 48 ARGENTINA ANDES MTNS., LK DIAMANTE 34.65 84 ARGENTINA ANDES MTNS., LK DIAMANTE 34.25 85 ARGENTINA ANDES MTNS., LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS. 36.05 87 ARGENTINA ANDES MTNS. 36.05 89 ARGENTINA ANDES MTNS. 36.55 90 ARGENTINA ANDES MTNS. 36.55 91 ARGENTINA ANDES MTNS. 36.55 92 ARGENTINA ANDES MTNS. 36.55 93 ARGENTINA ANDES MTNS. 26.55 62 ATLANTIC OCEAN CLOUDS 6.55 63 ATLANTIC OCEAN CLOUDS 6.65 64 ATLANTIC OCEAN CLOUDS 6.65 65 ATLANTIC OCEAN	3	ARGENTINA	PEN., SEVERE	42.05	63.0W 44.3S		40 LO	250 N	Z	9910505	203855	145	588	6	120
55 ARGENTINA SEVERE GLARE 22 ARGENTINA SEVERE GLARE 23 ARGENTINA PANORAMA, VIEW W. SMOKE PL 48 ARGENTINA ANDES 49 ARGENTINA RIO DE LA PLATA 35.05 84 ARGENTINA ANDES MINS., LK DIAMANTE 34.25 85 ARGENTINA ANDES MINS., LK DIAMANTE 34.25 86 ARGENTINA ANDES MINS., LK DIAMANTE 34.25 87 ARGENTINA ANDES MINS. 36.05 88 ARGENTINA ANDES MINS. 36.05 89 ARGENTINA ANDES MINS. 36.05 91 ARGENTINA ANDES MINS. 36.05 84 ARGENTINA ANDES MINS. 26.55 90 ARGENTINA ANDES MINS. 26.55 62 ALCANTIC OCEAN CLOUDS CLOUDS 65.55 63 ATLANTIC OCEAN CLOUDS CLOUDS 65.55	e	ARGENTINA	PEN., SEVERE	43	3.0W 45	57.6W	40 HO	250 N	2	9910505	203911	145	588		120
56 ARGENTINA SEVERE GLARE 22 ARGENTINA PANORAMA, VIEW W. SMOKE PL 23 ARGENTINA 13.65 49 ARGENTINA 14.65 49 ARGENTINA 10.6 LA PLATA 35.05 84 ARGENTINA ANDES MTNS. LK DIAMANTE 34.25 85 ARGENTINA ANDES MTNS. LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS. LK DIAMANTE 34.25 87 ARGENTINA ANDES MTNS. 36.05 89 ARGENTINA ANDES MTNS. 36.55 90 ARGENTINA ANDES MTNS. 36.55 91 ARGENTINA ANDES MTNS. 36.55 92 ARGENTINA ANDES MTNS. 36.55 84 ARGENTINA ANDES MTNS. 26.55 85 ATLANTIC OCEAN CLOUDS 26.55 86 ATLANTIC OCEAN CLOUDS 26.55 86 ATLANTIC OCEAN CLOUDS 27.005 87 ATLANTIC OCEAN CLOUDS	3 5	ARGENTINA	SEVERE GLARE		46.65		皇		2	9910505	203951	145	297		120
22 ARGENTINA PANORAMA, VIEW W.SMOKE PL 23 ARGENTINA 74.65 48 ARGENTINA 84.05 49 ARGENTINA 810 DE LA PLATA 35.05 84 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 85 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS. 36.05 87 ARGENTINA ANDES MTNS. 36.55 89 ARGENTINA ANDES MTNS. 36.55 90 ARGENTINA ANDES MTNS. 26.55 73 ARGENTINA ANDES MTNS. 26.55 91 ARGENTINA ANDES MTNS. 26.55 73 ARGENTINA ANDES MTNS. 26.55 74 ARGENTINA CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS 26.55 64 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 27.00 65 ATLANTIC OCEAN CLOUDS	က	ARGENTINA	9		47.15		유		2	19910505	204003	145	297		120
23 ARGENTINA PANORAMA, VIEW W. SMOKE PL 48 ARGENTINA 34.65 49 ARGENTINA 35.05 84 ARGENTINA 35.05 85 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 87 ARGENTINA ANDES MTNS. 36.05 88 ARGENTINA ANDES MTNS. 36.05 89 ARGENTINA ANDES MTNS. 36.55 90 ARGENTINA ANDES MTNS. 26.55 73 ARGENTINA ANDES MTNS. 26.55 74 ARGENTINA INTER-MTN.BASINS 26.55 74 ARGENTINA CLOUDS 26.55 62 ATLANTIC OCEAN CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 27.00 67 ATLANTIC OCEAN CLOUDS 27.00 7 ATLANTIC OCEAN CLOUDS 27.00	4	ARGENTINA	SMOKE		37.28	63.7W	70 HO	250 N	Z	9910504	204126	144	300	20	104
48 ARGENTINA RIO DE LA PLATA 34.65 49 ARGENTINA RIO DE LA PLATA 35.05 84 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 85 ARGENTINA ANDES MTNS. 35.05 86 ARGENTINA ANDES MTNS. 35.05 87 ARGENTINA ANDES MTNS. 36.55 88 ARGENTINA ANDES MTNS. 36.55 90 ARGENTINA ANDES MTNS. 26.55 73 ARGENTINA ANDES MTNS.DARK FRAME 37.05 90 ARGENTINA ANDES MTNS.DARK FRAME 37.05 91 ARGENTINA ANDES MTNS.DARK FRAME 37.05 92 ARGENTINA ANDES MTNS.DARSINS 26.55 74 ARGENTINA ALANTIC OCEAN CLOUDS 63 ATLANTIC OCEAN CLOUDS CLOUDS 65 ATLANTIC OCEAN CLOUDS ATLANTIC OCEAN 65 ATLANTIC OCEAN CLOUDS ATLANTIC OCEAN 66 ATLANTIC OCEAN CLOUD	4	ARGENTINA	SMOKE		38.25			250 N	Z	19910504	204148	144	300		104
49 ARGENTINA RIO DE LA PLATA 35.05 84 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 85 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS.LK DIAMANTE 35.05 87 ARGENTINA ANDES MTNS. 36.55 89 ARGENTINA ANDES MTNS.DARK FRAME 37.05 90 ARGENTINA ANDES MTNS.DARK FRAME 37.05 91 ARGENTINA ANDES MTNS.DARK FRAME 37.05 92 ARGENTINA ANDES MTNS.DARSINS 26.55 93 ATLANTIC OCEAN CLOUDS 26.55 64 ATLANTIC OCEAN CLOUDS 65 65 ATLANTIC OCEAN CLOUDS 66.55 65 ATLANTIC OCEAN CLOUDS 66 ATLANTIC OCEAN CLOUD	5	ARGENTINA	RIO DE LA PLATA	4.65	57.5W 31.4S	51.	10 LO		z	9910505	190437	143	304		119
84 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 85 ARGENTINA ANDES MTNS.LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS. 35.05 87 ARGENTINA ANDES MTNS. 36.05 89 ARGENTINA ANDES MTNS.DARK FRAME 37.05 89 ARGENTINA ANDES MTNS.DARK FRAME 37.05 90 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 73 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 74 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 73 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 74 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 62 ATLANTIC OCEAN CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS CLOUDS 65 ATLANTIC OCEAN LABRADOR SEA ICE 2 1 ATLANTIC OCEAN CUMULUS CLOUDS 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS	2	ARGENTINA	RIO DE LA PLATA	. 0S	30				2	9910505	190449	143	304		119
85 ARGENTINA ANDES MTNS, LK DIAMANTE 34.25 86 ARGENTINA ANDES MTNS. 35.05 87 ARGENTINA ANDES MTNS. 35.05 88 ARGENTINA ANDES MTNS 36.05 89 ARGENTINA ANDES MTNS 36.05 90 ARGENTINA ANDES MTNS, DARK FRAME 37.05 91 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 73 ARGENTINA INTER-MTN.BASINS 26.55 62 ALLANTIC OCEAN CLOUDS CLOUDS 63 ATLANTIC OCEAN CLOUDS CLOUDS 65 ATLANTIC OCEAN CLOUDS CLOUDS 65 ATLANTIC OCEAN CLOUDS CLOUDS 67 ATLANTIC OCEAN CLOUDS CLOUDS 67 ATLANTIC OCEAN CLOUDS CLOUDS 67 ATLANTIC OCEAN CLOUDS CLOUDS 8 ATLANTIC OCEAN CLOUDS ATLANTIC OCEAN 18 ATLANTIC OCEAN CLOUDS 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS<	S.	ARGENTINA	ANDES MINS.LK DIAMANTE	.25	8W 33	71.	10 LO	100 N	2	9910505	203504	143	304		120
86 ARGENTINA ANDES MTNS. 35.0S 87 ARGENTINA LAGUNA LLANCANELO AREA 35.0S 88 ARGENTINA ANDES MTNS 36.0S 89 ARGENTINA ANDES MTNS 36.0S 90 ARGENTINA ANDES MTNS, DARK FRAME 37.0S 91 ARGENTINA ANDES MTNS, DARK FRAME 37.0S 92 ARGENTINA INTER-MTN, COMP. RESERVOIR 38.0S 73 ARGENTINA INTER-MTN, BASINS 26.5S 62 ATLANTIC OCEAN CLOUDS 26.5S 63 ATLANTIC OCEAN CLOUDS 26.5S 65 ATLANTIC OCEAN CLOUDS 27.0DS 65 ATLANTIC OCEAN LABRADOR SEA ICE 2.0DS 1 ATLANTIC OCEAN LABRADOR SEA ICE 2.0DS 2 ATLANTIC OCEAN LABRADOR SEA ICE 2.0DS 33 ATLANTIC OCEAN CLOUDS 33.0DS 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS 38 ATLANTIC OCEAN CLOUDS 39 ATLANTIC OCEAN C	2	ARGENTINA	ANDES MINS, LK DIAMANTE	.25 6	9.8W 34	71.1W	20 LO	100 N	2	9910505	203514	143	304		120
87 ARGENTINA LAGUNA LLANCANELO AREA 35.65 88 ARGENTINA ANDES MTNS 36.05 89 ARGENTINA ANDES MTNS 36.05 90 ARGENTINA ANDES MTNS, DARK FRAME 37.05 91 ARGENTINA ANDES MTNS, DARK FRAME 37.05 73 ARGENTINA INTER-MTN. BASINS 26.55 62 ATLANTIC OCEAN CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 27.00 67 ATLANTIC OCEAN LABRADOR SEA ICE 2 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 33 ATLANTIC OCEAN LABRADOR SEA ICE 3 18 ATLANTIC OCEAN CLOUDS 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS 36 ATLANTI	5	ARGENTINA	ANDES MINS.	.05 7	70.0W 34.7S	W7.07	5 10	100 N	2	9910505	203523	143	304		120
68 ARGENTINA ANDES MTNS 36.05 89 ARGENTINA ANDES MTNS 36.05 90 ARGENTINA ANDES MTNS, DARK FRAME 37.05 91 ARGENTINA INTER-MTN. BASINS 26.55 73 ARGENTINA INTER-MTN. BASINS 26.55 62 ATLANTIC OCEAN CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 27.00 67 ATLANTIC OCEAN LABRADOR SEA ICE 2 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 33 ATLANTIC OCEAN LABRADOR SEA ICE 3 18 ATLANTIC OCEAN LABRADOR SEA ICE 2 2 ATLANTIC OCEAN LABRADOR SEA ICE 3 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS 38 ATLANTIC OCEAN CLOUDS 39 ATLANTIC OCEAN CLOUDS <tr< th=""><td>2</td><td>ARGENTINA</td><td>LAGUNA LLANCANELO AREA</td><td>.65 6</td><td>9.3W 35</td><td></td><td></td><td>100 N</td><td>Z</td><td>9910505</td><td>203531</td><td>143</td><td>304</td><td></td><td>120</td></tr<>	2	ARGENTINA	LAGUNA LLANCANELO AREA	.65 6	9.3W 35			100 N	Z	9910505	203531	143	304		120
89 ARGENTINA ANDES MTNS 36.55 90 ARGENTINA ANDES MTNS, DARK FRAME 37.05 91 ARGENTINA RECENTLY COMP. RESERVOIR 38.05 73 ARGENTINA INTER-MTN. BASINS 26.55 74 ARGENTINA INTER-MTN. BASINS 26.55 62 ATLANTIC OCEAN CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 27.00 67 ATLANTIC OCEAN LABRADOR SEA ICE 2.2 1 ATLANTIC OCEAN LABRADOR SEA ICE 2.2 2 ATLANTIC OCEAN LABRADOR SEA ICE 2.3 33 ATLANTIC OCEAN LABRADOR SEA ICE 2.4 18 ATLANTIC OCEAN CLOUDS 33 ATLANTIC OCEAN CLOUDS 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS	2	ARGENTINA	ANDES MINS	36.05 7	0.0W 35.6S	M8.69		100 N	Z	9910505	203541	143	304	21	120
90 ARGENTINA ANDES MTNS,DARK FRAME 37.05 91 ARGENTINA RECENTLY COMP.RESERVOIR 38.05 73 ARGENTINA INTER-MTN.BASINS 26.55 74 ARGENTINA INTER-MTN.BASINS 26.55 62 ATLANTIC OCEAN CLOUDS 26.55 63 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 26.55 65 ATLANTIC OCEAN CLOUDS 26.55 67 ATLANTIC OCEAN LABRADOR SEA ICE 2 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 3 ATLANTIC OCEAN LABRADOR SEA ICE 3 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 2 ATLANTIC OCEAN CLOUDS 33 34 ATLANTIC OCEAN CLOUDS 35 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCEAN CLOUDS 36 ATLANTIC OCE	2	ARGENTINA	ANDES MTNS	.55	0.5W 35.9S	₩S . 69	0 0	100 N	Z	9910505	203547	143	304	21	120
91 ARGENTINA 73 ARGENTINA 74 ARGENTINA 75 ARGENTINA 76 ARGENTINA 76 ATLANTIC OCEAN 77 ATLANTIC OCEAN 78 ATLANTIC OCEAN 79 ATLANTIC OCEAN 70 ATLANTIC OCEAN 70 ATLANTIC OCEAN 71 ATLANTIC OCEAN 71 ATLANTIC OCEAN 72 ATLANTIC OCEAN 73 ATLANTIC OCEAN 74 ATLANTIC OCEAN 75 ATLANTIC OCEAN 76 ATLANTIC OCEAN 77 ATLANTIC OCEAN 78 ATLANTIC OCEAN 78 ATLANTIC OCEAN 79 ATLANTIC OCEAN 70 ATLANTIC OCEAN 70 ATLANTIC OCEAN 71 ATLANTIC OCEAN 71 ATLANTIC OCEAN 71 ATLANTIC OCEAN 71 ATLANTIC OCEAN 71 ATLANTIC OCEAN 71 ATLANTIC OCEAN 72 ATLANTIC OCEAN 73 ATLANTIC OCEAN 74 ATLANTIC OCEAN 75 ATLANTIC OCEAN 76 ATLANTIC OCEAN 77 ATLANTIC OCEAN 7	S	ARGENTINA	ANDES MINS DARK FRAME	50	70.0W 36.2S	At . 69	0 1 0	100 N	2	9910505	203554	144	304	20	120
73 ARGENTINA INTER-MTN.BASINS 26.55 74 ARGENTINA INTER-MTN.BASINS 26.55 62 ATLANTIC OCEAN CLOUDS 63 ATLANTIC OCEAN CLOUDS 64 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 68 ATLANTIC OCEAN CLOUDS 69 ATLANTIC OCEAN CLOUDS 74 ATLANTIC OCEAN CUMULUS CLOUDS-BRIGHT 75 ATLANTIC OCEAN CUMULUS, LOW-HIGH CLOUDS 75 ATLANTIC OCEAN CLOUDS-MOON 76 ATLANTIC OCEAN CLOUDS-MOON 76 ATLANTIC OCEAN CLOUDS-MOON 77 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS 78 ATLANTIC OCEAN CLOUDS	40	ARGENTINA	RECENTLY COMP RESERVOTE	00	37	6.7			2	9910505	203621	144	303		120
74 ARGENTINA 62 ATLANTIC OCEAN CLOUDS 63 ATLANTIC OCEAN CLOUDS 64 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 7 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN CUMULUS CLOUDS-BRIGHT 33 ATLANTIC OCEAN CUMULUS, LOW-HIGH CLOUDS 34 ATLANTIC OCEAN CLOUDS-MOON-CLOUDS 35 ATLANTIC OCEAN CLOUDS-MOON-CLOUDS 36 ATLANTIC OCEAN CLOUDS-MOON-CLOUDS 36 ATLANTIC OCEAN CLOUDS-MOON-CLOUDS 37 ATLANTIC OCEAN CLOUDS	9	ARGENTINA	- 2	55	3	9			. –	9910502	20501	136	294		75
62 ATLANTIC OCEAN 63 ATLANTIC OCEAN 64 ATLANTIC OCEAN 65 ATLANTIC OCEAN 65 ATLANTIC OCEAN 65 ATLANTIC OCEAN 67 ATLANTIC OCEAN 67 ATLANTIC OCEAN 68 ATLANTIC OCEAN 69 ATLANTIC OCEAN 60 A ATLANTIC OCEAN 60 A ATLANTIC OCEAN 61 ATLANTIC OCEAN 62 ATLANTIC OCEAN 63 ATLANTIC OCEAN 64 ATLANTIC OCEAN 65 ATLANTIC OCEAN 66 ATLANTIC OCEAN 67 ATLANTIC OCEAN 68 ATLANTIC OCEAN 69 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 61 ATLANTIC OCEAN 61 ATLANTIC OCEAN 61 ATLANTIC OCEAN 62 ATLANTIC OCEAN 63 ATLANTIC OCEAN 64 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 66 ATLANTIC OCEAN 67 ATLANTIC OCEAN 67 ATLANTIC OCEAN 68 ATLANTIC OCEAN 68 ATLANTIC OCEAN 69 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 60 ATLANTIC OCEAN 61 ATLAN	9	ARGENTINA	INTER-MTN. BASINS	55.	5W 26.	65.	0 0		2	9910502	205014	136	294	25	72
63 ATLANTIC OCEAN CLOUDS 64 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 0 A ATLANTIC OCEAN LABRADOR SEA ICE 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN CUMULUS CLOUDS-BF 33 ATLANTIC OCEAN COMULUS, LOW-HIGH 34 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS	3					24.	100 LO	250 0	>	19910428	132327	146	175	47	က
64 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN CUMULUS CLOUDS-BF 33 ATLANTIC OCEAN COUNCLUS, LOW-HIGH 34 ATLANTIC OCEAN CLOUDS-MOON 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS	3		CLOUDS		56.6N		100 10		7	9910428	132329	146	175	47	က
65 ATLANTIC OCEAN CLOUDS 65 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN CUMULUS CLOUDS-BF 33 ATLANTIC OCEAN COUNLUS, LOW-HIGH 34 ATLANTIC OCEAN CLOUDS-MOON 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			CLOUDS		56.5N	24.2W	100 LO	250 0	>	19910428	132331	146	176	47	ო
65 ATLANTIC OCEAN CLOUDS 67 ATLANTIC OCEAN CLOUDS 0 A ATLANTIC OCEAN LABRADOR SEA ICE 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE 18 ATLANTIC OCEAN CUMULUS CLOUDS-BR 33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CLOUDS-MOON 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			Cronps		96.5N	24.1W	100 LO	250 0	-	9910428	132332	146	176	47	ო
67 ATLANTIC OCEAN CLOUDS 0 A ATLANTIC OCEAN LABRADOR SEA ICE 1 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE 18 ATLANTIC OCEAN CUMULUS CLOUDS-BF 33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CLOUDS-MOON 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			CLOUDS		56.5N	23.8W	100 LO		>	19910428	132334	146	176	47	ന
0 A ATLANTIC OCEAN LABRADOR SEA ICE 1 ATLANTIC OCEAN LABRADOR SEA ICE 18 ATLANTIC OCEAN CUMULUS CLOUDS-BR 33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CUMULUS, LOW-HIGH 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			CLOUDS		96.5N	23.6W	100 LO	250 0	∠	9910428	132336	146	176	47	က
1 ATLANTIC OCEAN LABRADOR SEA ICE 2 ATLANTIC OCEAN LABRADOR SEA ICE- 18 ATLANTIC OCEAN CUMULUS CLOUDS-BR 33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CUMULUS, LOW-HIGH 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS		ATLANTIC	SEA		57.3N	61.6W	20 10	250 N	N 19	19910428	145107	146	155	45	4
2 ATLANTIC OCEAN LABRADOR SEA ICE- 18 ATLANTIC OCEAN CUMULUS CLOUDS-BR 33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CLOUDS, LOW-HIGH 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			SEA		57.3N	60				19910428	145119	146	156	45	4
18 ATLANTIC OCEAN CUMULUS CLOUDS-BF 33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CUMULUS,LOW-HIGH 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			SEA		57.3N	59			N 19	9910428	145127	146	157	45	4
33 ATLANTIC OCEAN MOON-CLOUDS 34 ATLANTIC OCEAN CUMULUS,LOW-HIGH 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS					7.95	9		250 0	-	9910428	164540	138	285	Φ	2
34 ATLANTIC OCEAN CUMULUS, LOW-HIGH 35 ATLANTIC OCEAN CLOUDS-MOON 36 ATLANTIC OCEAN CLOUDS 37 ATLANTIC OCEAN CLOUDS			MOON-CLOUDS		9.75	38.	95 HO		-	9910428	194526	138	286	&	7
35 ATLANTIC OCEAN 36 ATLANTIC OCEAN 37 ATLANTIC OCEAN			CUMULUS, LOW-HIGH CLOUDS		10.35	38.			γ 19	19910428	194537	138	286	7	1
36 ATLANTIC OCEAN 37 ATLANTIC OCEAN			CLOUDS-MOON		11.55	37.3W	70 HO	250 N	N 19	9910428	194559	138	286	9	1
37 ATLANTIC OCEAN			CLOUDS			37.	95 HO			9910428	194610	138	286	9	1
			CLOUDS		•	34.			7 19	19910428	194709	139	285	က	1
75 38 ATLANTIC OCEAN CLOUDS	3		CLOUDS		16.25	34.4W	80 HO	250 N	γ 19	9910428	194723	139	285	2	7

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR									SUN	
يھ	æ	GEOGRAPHIC NAME		LAT LON	-41		CC TL	리		DATE	3	F	AZ	- 1	익
79	42	ATLANTIC OCEAN	NEAR S.OF GIBRALTER-CLDS		ů.					9910429	070558		œ		
83	94	ATLANTIC OCEAN	EDDIES-GULF STREAM		35.3N 72.		40 LO		z	9910429	192521	1 141			7
83	95	ATLANTIC OCEAN	GULF STREAM BOUNDARY		5.1N 7	M 9		250 N	z	19910429	192526	-			7
84	11	ATLANTIC OCEAN	TWO LAYER CLOUDS-LOW/MED		56	7. 17.	100 LO		2	9910501	161439		7		2
84	12	ATLANTIC OCEAN	TWO LAYER CLOUDS-LOW/MED		25.4N 26.	.4W 1	100 LO		=	9910501	161446	6 138	3 250		သ
84	13		LAYER		5.1N	. 2W			2	9910501	161452				S
84	14		LAYER		4 . 1N		85 LO		>	19910501	161510	0 137	7 253		ა
8	15		LAYER		3.9N 25		75 L0		7	9910501	161515	-	253		
84	16		LAYER		. 5N 2	MO:	07 09	250 N	Υ 1	9910501	16152	1 13	7 254		S
84	19		N STRU		. 7N 1		10 L0	20	Z	9910501	16193	7			53
84	27	ATLANTIC OCEAN	WATER-CLOUDS		41.0N 64.	3	20 70	250 N	>	9910501	173908	8 139	3 205	2	54
8	28		WATER-CLOUDS		8N 63		_	50	>	9910501	173914	13	9 206	57	54
- 4	53		WATER-CLOUDS		.5N 63				·	9910501	173920	13		က	
85	17		SHIP WAKES		NO.	M6.	5 60		Z	9910430	192344				က
96	11	ATLANTIC OCEAN	CLOUD PATTERNS		25.7N 26.	. 6W	07 66	100 N	Z	9910501	16143			55	53
96	12	ATLANTIC OCEAN	CLOUD PATTERNS		. 3N	3₩	07 66	100 N	z	9910501	16144	1 13			S
96	13	ATLANTIC OCEAN	CLOUD PATTERNS		25.0N 26.	. 1W 1	100 LO	100 N	z	9910501	161447				S
96	14	ATLANTIC OCEAN	CLOUD PATTERNS		.1N 2	4 M	40 LO	100 N	Z	9910501	161504	-			သ
96	15	ATLANTIC OCEAN	-		23.8N 25.	. 2W	30 LO	100 N	z	9910501	161510	_			လ
96	16	ATLANTIC OCEAN	CLOUD PATTERNS		23.4N 24.	M6.	07 09	100 N	2	9910501	16151	7 13	7 254		သ
96	28		J		.9N 64			100 N	Z	9910501	173903	13		သ	2
96	53		MOSTLY CLOUDY		. 7N 63				Z	9910501	173909	13			2
96	30		CI-OUDY		8				Z	9910501	173915			3	ഹ
97	-		CLOUDY		.8N 1				Z	9910506	093054				12
6	2		CLOUDY		.8N 13		S	100 N	z	19910506	093056	14		5 29	
6	٣		CLOUDY		.8N 13				z	9910506	09305				12
6	◂	ATLANTIC OCEAN			56.7N 12.		99 LO	100 N	Z	9910506	093102	2 147			12
97	S	ATLANTIC OCEAN	CLOUDY, DARK		.6N 11	M.	o		Z	9910506	093109	14	7 107		12
6	9	ATLANTIC OCEAN			56.5N 10.		07 66	100 N	Z	9910506	093119	9 147	108		129
9.7	1	ATLANTIC OCEAN			56.5N 10.	3W.	07 66	100 N	Z	9910506	09312	1 147	108	31	129
97	00	ATLANTIC OCEAN	CLOUDY DARK		56.4N 9.	MG.	07 66	100 N	2	19910506	093128	8 147	109	31	129
6	σ		CLOUDY, DARK		38		07 66	100 N		19910506	093134	4 147	110		129
97	10		CLOUDY DARK		18				z	9910506	093142				129
97	11		CLOUDY, DARK		1N 7			100 N	2	19910506	093146			32	129
86	42		CLOUDS, WATER		.2N 60				2	9910506	153743				
86	53		CLOUDS, SHADOWS, WATER		28					19910506	155133				
86	54	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		28		80 LO	100 N		9910506	155136				
86	55	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		5.65 27.	₩9	40 LO	100 N	-	9910506	155153			1 57	133
86	99	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		27		30 LC	100 N	Z	19910506	155204	4 139	303		
86	57	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		6.55 27.	3	30 LO	100 N	z	9910506	155208	8 139	303	99	133
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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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R	4	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT	2	CC TL	FL E	SDA	DATE	GMT	AL	AZ SUN		OR
86	58		CLOUDS, SHADOWS, WATER		7.15 26.	. 7W		100 N			155219	139			133
86	29		CLOUDS, SHADOWS, WATER		.25	M9.			-		155222	139			133
86	90		CLOUDS, SHADOWS, WATER			26.3W		_	~		155233	139			
86	61		CLOUDS, SHADOWS, WATER		.25 25			_	N 1991		155258	139			 £
86	62	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		25	3₩			_		155301	139			133
86	63	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		25	. 3W	40 LO	100 №			155303	139		~	133
86	64	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		25	7M		100 N	-	9910506 1	155305	139			133
86	92	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		25	3.					155307	139			133
86	99	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		25	. 1W		100 N			155309	139		52 13	33
86	67	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		10.08 25.	3	60 LO	100 N	N 1991	19910506 1	155311	139	305	52 1:	 E
φ σ	89	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		10.15 24.	3	50 10	100 N	1991 N	1 9010506	155313	139	306	52 13	33
8	9		CLOUDS SHADOWS WATER		50 24			100	-		155321	139			133
86	20		CLOUDS, SHADOWS, WATER		85 24	38					155326	139			33
86	7.1		CLOUDS, SHADOWS, WATER		.38						155352	1 30			133
86	72	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		. 4S	.5¥	07 09	100	-	9910506 1	155354	140	307	49 1:	133
86	73	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		. 6S				N 1991		155359	140			133
86	74	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		.15 23	3.	07 09		~		155408	140			133
86	75	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		22	₩8.	07 09	100 N			155415	140			133
86	9/		CLOUDS, SHADOWS, WATER		22	4 M		_	N 19910506		155427	140			 E
86	11	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		14.65 22.	. 2W	70 LO	100 N	-	9910506 1	155434	140	307	47 13	33
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o a	7 0	ATLANTIC OCEAN	CLOUDS, SHADOWS, WATER		2 6			-			155515	140		. 4	133
o 0	70		CECCES, SHADOWS, WATER		20 20	# 34					155522	140			133
9 6	0 60		CLOUDS, SHADOWS, WATER		35 20	. .			•		55524	140			133
86	85		CLOUDS, SHADOWS, WATER		.6S 20	. 2W			N 1991		155529	140	308		33
86	86		CLOUDS, SHADOWS, WATER		20	3			_		155534	140	308		33
151	91	ATLANTIC OCEAN	JET CON TRAILS		57.2N 17.	3 6.	25 LO	250 N	N 19910430		113935	144	145	Ε	34
151	85	ATLANTIC OCEAN	JET CON TRAILS		57.1N 16.	**	50 LO	250 N	N 19910430		113948	144	147	4	₹
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605	~		PAYLOAD BAY, CLOUDS		. S			_			155400	135			84
609	n	ATLANTIC OCEAN	BAY.			ME.			-	9910503 1	155500	135			84
605	4		I. SHI		. 6k	3 €		_	N 1991	_	55500	135			84
605	2	ATLANTIC OCEAN			.6N 40	3M	20 LO	250 N	-	9910503 1	155500	135	229		84
605	9	ATLANTIC OCEAN	SUNGLINT, OCEAN FEATURES		37	.5₩		250 N	N 19910503		155600	135	239	9	84
605	1		, OCEAN		4.1N 32	. 4¥		_	1		155800	135			84
909	ω		, OCEAN		.1N 32	₹.		0	N 1991		155800	135	258	63	84
605	თ	ATLANTIC OCEAN	SUNGLINT, OCEAN FEATURES		4.1N 32	.4	20 LO	250 N	N 1991	9910503 1	155800	135			84

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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_	æ	GEOGRAPHIC NAME	FEATURE	LAT	LAT	11 23	F. E.	S	DATE	GMT	٩L	AZ SUN	닖	OR .
605	21	ATLANTIC OCEAN	ORT., CAPE VERDES	15.0N 21.0W	17.5N 27.9W	45 HO	1 250 N	z	19910503	160000	135	272	59	84
605	11	ATLANTIC OCEAN	CAPE VERDES	21.0W		55 HO) 250 N	Z	19910503	160100	135	277		84
605	59		CONS			70 HO	250	z	19910504	155800	142	285	57 1	100
605	90	ATLANTIC OCEAN	CLOUD FORMATIONS			70 HO	250 N	z	19910504	155800	142	285	57 1	100
607	11	ATLANTIC OCEAN	CON TRAILS			35 LO	100 N	Z	19910430	113900	137	143		33
607	12	ATLANTIC OCEAN	CON TRAILS		56.9N 15.2W	55 HO	100 N	z	19910430	114000	137	153	45	33
610	22	ATLANTIC OCEAN	CANARY CURRENT, SHIP WA.		16.7N 16.5W	0) 250 N	z	19910430	162500	137	275	42	36
2	28	ATMOSPHERIC LIMB				오		_						
7	58	ATMOSPHERIC LIMB				오								
7	30	ATMOSPHERIC LIMB	SUNSET-LEFT SIDE FRAME			오	35 N	z						. •
<u>س</u>	ď	ATMOSPHERIC LIMB	BRIGHT-SUN AT RIGHT SIDE			9	35 0	z						
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m	7	ATMOSPHERIC LIMB	AT RIGHT			오	35							
ო	∞	ATMOSPHERIC LIMB	SUNSET			오	35							
က	თ	ATMOSPHERIC LIMB	SUNSET			오	35 N	z						
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ო	11		AT LEFT			유	35							
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ღ	13	ATMOSPHERIC LIMB	BRIGHT-ENLARGEMENT			皇	70							
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17	י ניי		BRIGHT, MOON			오	32							
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22	13		MOON			오	350	z						
22	14	ATMOSPHERIC LIMB	MOOM			오	35							
22	15	ATMOSPHERIC LIMB	MOON			오	35							
22	16	ATMOSPHERIC LIMB	BRIGHT			皇								
22	35	ATMOSPHERIC LIMB	IONOSPHERE GLOW			오	35							
23	4	ATMOSPHERIC LIMB	BRIGHT-RIGHT SIDE			오	35 0							
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TABLE 4.4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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73	11	ATMOSPHERIC LIMB	VERY DARK		39.5S 128.4W	皇	250 U	N 19910429		1 142	273		12
11	53	ATMOSPHERIC LIMB			32.0S 90.8W	웊	250 N	N 19910429	9 002106	6 141	279	-11	10
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TABLE 4.4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

35 AURORA AUSTRALIS-RED CROWN HO 36 AURORA AUSTRALIS-RED CROWN HO 37 AURORA AUSTRALIS-RED CROWN HO 4 AURORA AUSTRALIS HO 4 AURORA AUSTRALIS HO 5 AURORA AUSTRALIS HO 6 AURORA AUSTRALIS HO 10 AURORA AUSTRALIS HO 11 AURORA AUSTRALIS HO 12 AURORA AUSTRALIS HO 13 AURORA AUSTRALIS HO 14 AURORA AUSTRALIS HO 15 AURORA AUSTRALIS HO 16 AURORA AUSTRALIS HO 20 AURORA AUSTRALIS HO 21 AURORA AUSTRALIS HO 21 AURORA AUSTRALIS HO 22 AURORA AUSTRALIS HO 23 <	교	8	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LON	CC TL	FL E S	DATE	GMT AL	AZ SUN	OR
35 AURORA AUSTRALIS-RED CROWN HO 35 N 36 AURORA AUSTRALIS-RED CROWN HO 35 N 3 AURORA AUSTRALIS-RED CROWN HO 35 N 4 AURORA AUSTRALIS HO 35 N 5 AURORA AUSTRALIS HO 35 N 6 AURORA AUSTRALIS HO 35 N 10 AURORA AUSTRALIS HO 35 N 11 AURORA AUSTRALIS HO 35 N 12 AURORA AUSTRALIS HO 35 N 13 AURORA AUSTRALIS HO 35 N 14 AURORA AUSTRALIS HO 35 N 15 AURORA AUSTRALIS HO 35 N 16 AURORA AUSTRALIS HO 35 N 17 AURORA AUSTRALIS HO 35 N 18 AURORA AUSTRALIS HO 35 N 19 AURORA AUSTRALIS HO 35 N 20 AURORA AUSTRALIS-DARK HO 35 N 21 AURORA AUSTRALIS-SALGREEN PROM. HO 35 N 22 AURORA AUSTRALIS-SALGREEN PROM. HO 35 N 23 AURORA AUSTRALIS-GREEN PROM. HO 35 N	23	35	AURORA	IS-RED			유	z				
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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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교	82	28	332	332	332	332	332	332	332	332	332	332	332	342	342	342	342	342	342	342	342	, ,	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

R	F.	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LON	CC TL	FL E S	DATE	GMT AL	AZ SUN EL	OR
342	28	AURORA	AUSTRALIS-RED/GREEN PROM			유	Z				
342	53	AURORA	AUSTRALIS-RED/GREEN PROM			皇	35 N N				
342	30	AURORA	AUSTRALIS-RED/GREEN PROM			皇	35 N N				
342	31	AURORA	AUSTRALIS-RED/GREEN PROM			9	2				
342	32	AURORA				Ç.	Z				
342	33	AURORA				운	z				
342	34	AURORA	S-DARK			운	_				
342	92	AURORA				£	2				
342	36	AURORA	S-DARK			오	2				
364	~	AURORA	S			오	Z				
364	~	AUDODA	ALCTDALTC			Ş	25 N				
200	> <	AUBORA	AUSTRALIS			2 9	2 2				
38.4	ru	AGCGIA				2 9	2 2				
364	o cc	ALIRORA	AUSTRAL IS			2 9	: 2				
364	7	AURORA				오	2				
364	æ	AURORA				오	Z				
364	Ø	AURORA	AUSTRALIS			웆	2 2				
364	10	AURORA	AUSTRALIS			皇	_				
364	11	AURORA	AUSTRALIS .			웆	35 N N				
364	12	AURORA	AUSTRALIS			오	35 N N				
364	13	AURORA	AUSTRALIS			全	_				
364	14	AURORA				오	z				
364	15	AURORA				全	Z 2				
364	16	AURORA				皇					
364	17	AURORA	AUSTRALIS			웆	z				
364	18	AURORA				오	z				
364	19	AURORA				웆	z				
364	20	AURORA				全	35 N				
364	21	AURORA				오	35 N N				
364	22	AURORA	AUSTRALIS			全	35 N N				
364	23	AURORA	AUSTRALIS			오	35 N N				
364	24	AURORA				웆	35 N N				
364	25	AURORA	AUSTRALIS			웊	35 N N				
364	97	AURORA	AUSTRALIS			웊	35 N N				
364	27	AURORA				皇	35 N N				
364	28	AURORA				全	35 N N				
364	53	AURORA	_			웊	35 N N				
364	30	AURORA				웊	35 N N				
364	31	AURORA	IS			오	Z				
364	32	AURORA	AUSTRALIS-FLARE			오	35 N N				

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CFNTER	NADIR					S	SUN	
교	æ	GEOGRAPHIC NAME		LAT LON	LAT LON	2	FL ES	DATE	GMT AL	AZ	ᇳ	æ
367	22	AURORA				皇	Z					
367	23	AURORA	AUSTRALIS			오	35 N N					
367	24	AURORA	AUSTRALIS			全	35 N N					
367	25	AURORA				皇	35 N N					
367	56	AURORZ.	AUSTRALIS			皇	35 N N					
367	27	AURORA	AUSTRALIS			오	35 N N					
367	28	AURORA	AUSTRALIS			오	35 N N					
367	59	AURORA				오	35 N N					
377	S	AURORA	AUSTRALIS-DAY RIGHT SIDE			오	35 N N					
377	9	AURORA	AUSTRALIS-DAY RIGHT SIDE			유	35 N N					
337	,	AGOGIA	ALISTER TS-DAY BIGHT SIDE			S	2					
	٠ .	***************************************	1014 VAC 01			2	2 2					
27.5	o ç	AURURA	IS-DAT KIGH!			2 9	2 2					
3/1	: :	AURURA				2 9	2 2					
377	14	AURORA	AUSTRALIS			₽ :	2 :					
377	12	AURORA	AUSTRALIS			웆	Z					
377	16	AURORA				全	z					
377	17	AURORA	AUSTRALIS			全	Z					
377	18	AURORA	AUSTRALIS-RED/GREEN CRWN			웆	z					
377	19	AURORA	AUSTRALIS-RED/GREEN CRWN			皇	35 N N					
377	20	AURORA	AUSTRALIS-RED/GREEN CRWN			오	35 N N					
377	21	AURORA	IS-RED/GREEN			全	2					
377	22	AURORA	IS-RED/GREEN			오	Z					
377	23	AURORA	IS-RED/GREEN			全	Z					
377	24	AURORA	IS-RED/GREEN			全	z					
377	25	AURORA	AUSTRALIS-RED/GREEN CRWN			皇	35 N N					
377	56	AURORA	AUSTRALIS-RED/GREEN CRWN			全	z					
377	27	AURORA	AUSTRALIS-SPIRAL			全	z					
377	28	AURORA	AUSTRALIS-SPIRAL			全	35 N N					
377	53	AURORA	AUSTRALIS-SPIRAL			全	z					
377	30	AURORA	AUSTRALIS-SPIRAL			오	35 N N					
377	31	AURORA	AUSTRAL IS-SPIRAL			£	35 N N					
377	32	ALBORA				£	z					
377	33	AURORA	AUSTRALIS			오	z					
377	34	AURORA	AUSTRALIS			웆	z					
377	35	AURORA	AUSTRALIS-DARK			웊	35 U N					
85	74	AUSTRALIA	BLURRED		18.7S 133.7E	25 HO 2	250 F N	19910502 0	072252 135	5 292	26	63
72	46	AUSTRALIA-NT	MACDONNELL RANGES	24.0S 133.0E		2 LO 2	250 N N					
72	47	AUSTRALIA-NT	NEL RANGES			2	z					
98	96	AUSTRALIA-NT		.55 136.	136	≩	z z				15	31
98	97	AUSTRALIA-NT	WESSEL ISLANDS	11.5S 136.5E	11.8S 136.8E	40 LO 2	250 N N	19910430 0	073615 137	7 288		31
												1

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

æ	æ	GEOGRAPHIC NAME	FFATURE	CENTER	NADIR LAT LON	1 22	<u> </u>	S DATE	GMT AL	AZ	SUN F	Ö
74	41	AUSTRAL IA-0	NORTH STRADBROKE ISLAND	28.0S 153.5E	1~	45 10	250 N	Y 19910506	0	142 306	1	17
7	42	AUSTRALIA-0	TTA-BURLEIGH HDS		30.35		250 N	Y 19910506		143 306		
74	43	AUSTRALIA-0		153	31.35		250 N					
74	44	AUSTRALIA-0	HDS	28.05 154	31.75		250 N	Y 19910506		143 306		
93	72	AUSTRALIA-0	NO ID FEATURES, HAZY		18.8S 140.0E	70 HO	250 N	N 19910506	052829 14	141 306	6 41	126
93	73	AUSTRALIA-0	NO ID FEATURES, HAZY				250 N	N 19910506	053021 14	142 307	7 34	
93	74	AUSTRALIA-0	DARLING DOWNS AREA		27.2S 146.0E	70 HO	250 N	N 19910506	053104 14	142 307	7 31	
93	75	AUSTRALIA-Q	DARLING DOWNS AREA		27.9S 146.6E		250 N		053118 14	142 307		
94	69	AUSTRALIA-Q	CAPE KEERWEER AREA	14.0S 141.7E	14.95	15 LO	100 N	-	053231 14	141 299	9 45	
609	13	AUSTRALIA-Q	GREAT BARRIER REEF	12.5S 143.5E	13.3S 140.7E	15 LO	250 N	N 19910505	053200 141	11 302	2 37	109
609	14	AUSTRALIA-0	CAIRNS, CAPE GRAFTON	17.0S 146.0E	16.7S 142.8E	35 LO	250 N	N 19910505	053300 141	11 303	33	109
609	15	AUSTRALIA-0	_	144	16.75 142.	40	250 N	N 19910505	053300 14	141 303		109
609	16	AUSTRALIA-0	CE		20.02	25	250 N	N 19910505				
609	17	AUSTRALIA-0	AN RESERVOIR	23.5S 148.0E	23.28	2	250 N	N 19910505	053500 141	11 303	3 26	109
609	18	AUSTRALIA-0	GRIC.	24.5S 148.5E	23.25		250 N	N 19910505	053500 141	11 303	3 26	
609	19	AUSTRALIA-Q	AGRIC.	25.0S 149.0E	23.28		250 N	_	053500 14	141 303		
609	20	AUSTRALIA-0	AGRIC.	26.0S 149.5E	23.2S 147.2E	2 N	250 N	N 19910505	053500 14	141 303	3 26	
609	2.1	AUSTRALIA-Q	AGRIC.	26.5S 150.5E	26.5S 149.6E	5 N	250 N	N 19910505	053600 14	141 302		
609	22	AUSTRALIA-Q	AR MJ	28.5S 153.5E	26.55		250 N		053600 14			_
84	49	AUSTRALIA-SA	NORTH FLINDERS RANGES	31.0S 138.5E	27.1S 136.2E) 250 N	N 19910503	071647 13	137 295	5 30	79
ç	•	ALL AT LOST TA		13 FC 434 EE		-	2000	2				
7/	? :	AUSTRALIA	SANDI D., L. AULD	177			2 00 00	2 :				
7.5	4	AUSTRALIA-WA	SANDY DESERT	123			N 052	2 :				
2/	4 0	AUSTRALIA-WA	ANDY D., L. AULD	123			N 062	2 :				
909	23	AUSTRALIA-WA	8	114			100 N	2				
909	24	AUSTRALIA-WA		.5S 114			100 N	z				
909	52	AUSTRALIA-WA	SHARK BAY, THUNDERSTORMS	26.5S 114.5E			100 N	z				
909	56	AUSTRALIA-WA	WEST COAST, THUNDERSTORMS				100 N					
7.4	72	AUSTRIA	AGRICULTURE NEAR WIEN	16	50.1N	70	250 0					
74	74	AUSTRIA	WIEN-HAZY	48.5N 16.0E	49.9N 14	65	250 0					129
74	75	AUSTRIA	WIEN-HAZY	48.0N 16.5E	49.8N 14.7E	75 LO	250 0	Y 19910506	093533 14	146 136	6 47	
74	16	AUSTRIA	BRATISLAVA-HAZY	48.0N 17.0E	49.6N 15.	85 LO	250 0	Y 19910506	093538 14	146 137	7 47	
74	11	AUSTRIA	NEAR BRATISLAVA-HAZY	48.5N 17.5E	49.5N		250 0	Y 19910506	093541 14	146 137	7 47	
72	83	BAHAMAS	ANDROS ISLAND	24.5N 77.0W			250 N					
72	84	BAHAMAS	N. PROVIDENCE CHANNEL	5N 77			250 N	2				
72	82	BAHAMAS	ANDROS ISLAND, EXUMA S.				250 N	z				
72	90	BAHAMAS	F THE OCEAN				250 N	z				
151	206A	BAHAMAS	CAICOS ISLANDS		23.1N	15	250 N	N 19910501	191424 13		3 55	သ
11	9/		MOKE	26.0N 50.5E	26.0N 53	0	250 N	N 19910428		138 268		
607	55		MAJORCA, OUT OF FOCUS	40.0N 3.0E	44.0N 3.		100 N		131700 13		2 55	က
607	99	BALEARIC ISLANDS	MAJORCA, OUT OF FOCUS	39.5N 4.0E	44.0N 3.8E	15 HO	100 N	N 19910430	131700 13	136 22		S.

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

FF RECORADICS HANDERS, OUT OF FOCUS 1.AT LON LIAT LON CORT LES 200 A DATE CMT ALL ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAME) ARTITE (SAM					CENTE		IIR						SGN		
57 BALLARIC ISLAMOS MADORAL, QUI OF FOCUS 3.0 K 40 M 10 00 10 00 10 00 10 10 10 10 10 10 10	F.	FR	GEOGRAPHIC NAME	FEATURE	LAT	j	LON	리	ᆈ	DATE	GMT	- 1	AZ	ᆲ	S.
76 BAMELARESH VIPY CLOUDY, HAZY 27.70 88.6.5 g 0.0 250 N N 19910506 064426 113 200 739 78 BAMELARESH VIPY CLOUDY, HAZY 25.70 M 8.6.5 g 0.0 250 N N 19910506 064426 113 200 739 80 BAMELARESH VIPY CLOUDY, HAZY 25.80 M 9.2 g 0.0 250 N N 19910506 064426 113 200 73 81 BAMELARESH VIPY CLOUDY, HAZY 25.80 M 9.1.6 g 0.0 250 N N 19910506 064426 113 200 73 82 BAMELARESH VIPY CLOUDY, HAZY 22.60 M 9.1.6 g 0.0 250 N N 19910506 064450 113 213 75 84 BAMELARESH VIPY CLOUDY, HAZY 22.50 M 91.2 g 0.0 250 N N 19910506 064450 113 200 75 84 BAMELARESH VIPY CLOUDY, HAZY 22.50 M 91.2 g 0.0 250 N N 19910506 064450 113 200 75 85 BAMELARESH VIPY CLOUDY, HAZY 22.50 M 91.2 g 0.0 250 N N 19910506 064450 113 200 75 86 BAMELARESH VIPY CLOUDY, HAZY 22.50 M 91.2 g 0.0 250 N N 19910506 064450 113 200 75 86 BAMELARESH VIPY CLOUDY, HAZY 22.50 M 91.2 g 0.0 250 N N 19910506 064450 113 200 75 87 BAMELARESH VIPY CLOUDY, HAZY 22.50 M 91.2 g 0.0 250 N N 19910506 064461 113 200 75 88 BAMELARESH VIPY CLOUDY, HAZY 22.50 N 91.2 g 0	607	57	BALEARIC ISLANDS	OUT OF	39.0N		3.8E	오	2	19910430	131700		222	2	34
77 BAMELARESH VIPT CLOUDY, HAZY 27.00 MS. 6.5 to 0.0. 250 N N 19910500 064420 143 199 73 79 BAMELAGESH VIPT CLOUDY, HAZY 26.7 MS. 6.6 to 0.2 20 N N 19910500 064420 143 1199 73 81 BAMELAGESH VIPT CLOUDY, HAZY 26.7 MS. 6.6 to 0.2 20 N N 19910500 064520 143 213 75 81 BAMELAGESH VIPT CLOUDY, HAZY 27.3 MS 90.2 to 0.2 20 N N 19910500 064520 143 213 75 81 BAMELAGESH VIPT CLOUDY, HAZY 27.3 MS 91.2 to 0.2 50 N N 19910500 064540 143 220 73 81 BAMELAGESH VIPT CLOUDY, HAZY 22.7 MS 91.7 to 0.2 50 N N 19910500 064541 143 220 75 84 BAMELAGESH VIPT CLOUDY, HAZY 22.7 MS 91.7 to 0.2 50 N N 19910500 064541 143 220 75 85 BAMELAGESH VIPT CLOUDY, HAZY 22.1 MS 91.7 to 0.2 50 N N 19910500 064541 143 220 75 86 BAMELAGESH VIPT CLOUDY, HAZY 22.1 MS 91.7 to 0.2 50 N N 19910500 064541 143 220 75 86 BAMELAGESH VIPT CLOUDY, HAZY 22.1 MS 91.7 to 0.2 50 N N 19910500 064541 143 220 75 86 BAMELAGESH VIPT CLOUDY, HAZY 22.1 MS 91.7 to 0.2 50 N N 19910500 064541 143 220 75 86 BAMELAGESH VIPT CLOUDY, HAZY 22.1 MS 91.7 to 0.2 50 N N 199105	93	9/	BANGLADESH	VRY CLOUDY, HAZY		27.3N	88.3E	2	z	19910506	064416		198		27
73 BANGLAGESH VIPY CLOUDY, HAZY 26.9 M 8.6 K 6.9 C 20.0 M 19910500 064426 113 213 75 80 BANGLAGESH VIPY CLOUDY, HAZY 25.4 M 91.2 K 6.0 C 20.0 M 19910500 064426 113 213 75 81 BANGLAGESH VIPY CLOUDY, HAZY 23.6 M 91.2 K 6.0 C 20.0 M 19910500 064456 113 213 75 82 BANGLAGESH VIPY CLOUDY, HAZY 23.6 M 91.2 K 6.0 C 20.0 M 19910500 064456 113 213 75 84 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 85 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 86 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 86 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 87 CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 88 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 88 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75 88 BANGLAGESH VIPY CLOUDY, HAZY 22.5 M 91.2 K 6.0 C 20.0 M 19910500 06444 113 201 75	93	11	BANGLADESH			27.0N	œ	2	z	19910506			199		27
8. BANGLADESH VAY CLOUDY, HAZY 25.67. NB 8. E8 55. LO 250 N N 19910506 064456 143 213 75 84 ANGLADESH VAY CLOUDY, HAZY 25.67. NB 9.0. E 50 N 10. 250 N N 19910506 064456 143 213 75 82 82 80 M 10. 250 N N 19910506 064456 143 213 75 82 82 80 M 10. 250 N N 19910506 064456 143 218 75 82 82 80 M 10. 250 N N 19910506 064450 143 218 75 82 82 80 M 10. 250 N N 19910506 064450 143 218 75 82 82 80 M 10. 250 N N 19910506 064450 143 218 75 82 82 80 M 10. 250 N N 19910506 064450 143 218 75 82 82 82 82 82 82 82 82 82 82 82 82 82	93	78	BANGLADESH				88.6E	2	z	19910506			199		27
8 BANGLADESH VAY CLOUDY, HAZY 23.6N 91.2E 95.10.250 N N 19911060 064426 143 215 75 78 91 MIN 19911065 064426 143 215 75 78 91 MIN 19911065 064426 143 215 75 78 91 MIN 19911065 064426 143 215 75 75 75 75 75 75 75 75 75 75 75 75 75	93	79	BANGLADESH				88.8E	2	z	19910506			200		27
BANGLADESH VPY CLOUDY HAZY 23.5H 91.7E 95 10 26.0 N N 19910060 604454 143 219 75	93	80	BANGLADESH			23.8N	30.0E	2	Z	19910506			213		27
85 BANGLADESH VPY CLOUDY, HAZY 22.7N 91.7E 95 L0 250 N N 19910506 064540 143 220 75 8 8 BANGLADESH VPY CLOUDY, HAZY 22.5N 91.9E 90 L0 250 N N 19910506 064541 143 220 75 95 8 BANGLADESH VPY CLOUDY, HAZY 22.5N 91.9E 90 L0 250 N N 19910506 064541 143 220 75 95 8 BANGLADESH VPY CLOUDY, HAZY 22.5N 91.9E 90 L0 250 N N 19910506 064541 143 220 75 95 95 BANGLADESH VPY CLOUDY, HAZY 22.5N 81 250 P0 L0 250 N N 19910506 064541 142 230 75 95 91 BANGLADESH VPY CLOUDY, HAZY 22.5N 81 89 L0 250 N N 19910506 064541 142 230 75 91 BANGLADESH VPY CLOUDY, HAZY 22.5N 19.5N 94.2E 90 L0 250 N N 19910506 064464 142 238 75 91 BANGLADESH VPY CLOUDY, HAZY 19.5N 94 25 L0 250 N N 19910506 064464 142 238 75 91 BANGLADESH VPY CLOUDY, HAZY 19.5N 94 25 L0 250 N N 19910506 064464 142 238 75 91 BANGLADESH VPY CLOUDY, HAZY 19.5N 94 25 L0 250 N N 19910506 064464 142 238 75 91 BANGLADESH VPY CLOUDY, HAZY 19.5N 94 25 L0 250 N N 19910506 064464 142 238 75 91 BANGLADESH VPY CLOUDY, HAZY 19.5N 94 25 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 064464 142 238 75 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 196506 141 301 44 10 L0 250 N N 19910506 19606 137 289 131 130 64 10 L0 250 N N 19910506 19606 137 289 131 130 64 10 L0 250 N N 19910506 19606 137 289 131 130 64 10 L0 250 N N 19910506 19606 137 289 131 130 64 10 L0 250 N N 19910506 196	93	81	BANGLADESH			23.5N	91.2E	2	2	19910506			215		27
83 BANGLADESH VRY CLOUDY, HAZY 22.7N 91.7F 95 LO 250 N N 19910566 G645490 443 219 75 M S ANGLADESH VRY CLOUDY, HAZY 22.5N 91.9F 91.0 250 N N 19910566 G6455 142 231 75 M S ANGLADESH VRY CLOUDY, HAZY 20.1N 93.7F 99 LO 250 N N 19910566 G6455 142 231 75 M S ANGLADESH VRY CLOUDY, HAZY 20.1N 93.7F 99 LO 250 N N 19910566 G6455 142 231 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 99 LO 250 N N 19910566 G6456 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 99 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 99 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 99 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93.7F 90 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93 LO 250 N N 19910566 G64464 142 233 75 M S ANGLADESH VRY CLOUDY, HAZY 19.7N 93 LO 250 N N 19910566 19556 141 300 44 11.5S G5 W N 19910566 19556 141 300 44 11.5S G5 W N 19910566 19556 141 300 44 11.5S G5 W N 19910566 19556 141 300 44 11.5S G5 W N 19910561 20566 131 73 291 231 241 80LIVIA N B GGGGG W N 1991056 19566 131 73 291 231 241 80LIVIA N B GGGGG W N 1991056 19566 131 73 291 231 241 80LIVIA N B GGGGG W N 1991056 19566 131 75 S G5 W N 19910561 20566 131 73 291 231 241 80LIVIA N B GGGGG W N 1991056 19566	93	82	BANGLADESH			23.0N	91.6E	2	Z	19910506			218		27
84 BANCLADESH VRY CLOUDY, HAZY 85 BANCLADESH VRY CLOUDY, HAZY 86 BANCLADESH VRY CLOUDY, HAZY 87 BANCLADESH VRY CLOUDY, HAZY 88 BANCLADESH VRY CLOUDY, HAZY 89 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 81 BANCLADESH VRY CLOUDY, HAZY 82 BANCLADESH VRY CLOUDY, HAZY 84 BANCLADESH VRY CLOUDY, HAZY 85 BANCLADESH VRY CLOUDY, HAZY 86 BANCLADESH VRY CLOUDY, HAZY 87 BANCLADESH VRY CLOUDY, HAZY 88 BANCLADESH VRY CLOUDY, HAZY 89 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 80 BANCLADESH VRY CLOUDY, HAZY 81 BERRING SRA CLOUDS-SUNGLINT 80 BERRING SRA CLOUDS-SUNGLINT 81 BERRING SRA CLOUDS-SUNGLINT 82 BERRING SRA CLOUDS-SUNGLINT 84 BERRING SRA CLOUDS-SUNGLINT 85 CLOUDS-SUNGLINT 85 CLOUDS-SUNGLINT 85 CLOUDS-SUNGLINT 86 BERRING SRA CLOUDY, HAZY 87 CLOUDY, HAZY 88 BANCLADESH VRY CLOUDY, HAZY 89 CLOUDS-SUNGLINT 80 CLIVIA 8	93	83	BANGLADESH			22.7N	91.7E	2	2	19910506			219		27
BANGLADESH	93	84	BANGLADESH				-	07 6	2	19910506	06454		220		27
86 BANGLADESH VRY CLOUDY, HAZY 20.4N 93.4F 95.1O 250 N N 19910506 064623 142 231 75 8 BANGLADESH VRY CLOUDY, HAZY 10.7N 93.6F 91.0 250 N N 19910506 064638 142 231 75 8 BANGLADESH VRY CLOUDY, HAZY 19.7N 93.6F 91.0 250 N N 19910506 064648 142 233 75 91 BANGLADESH VRY CLOUDY, HAZY 19.5N 94.1E 96.0 26.0 N 19910506 064648 142 233 75 91 BANGLADESH CLOUDS-SUNGLINT 56.0 94.1E 96.0 26.0 N 19910428 235.01 15.6 16.0 26.0 N 19910506 064648 142 233 75 10 BERRING SEA-CLOUDS 32.5N 6.0 94.1E 90.0 26.0 N 19910506 064648 142 233 75 10 BERRING SEA-CLOUDS 23.0 46	8	25	BANGLADESH				92 4F	0	2	19910506			223		27
87 BANGLADESH VYP CLOUDY, MAZY 88 BANGLADESH VYP CLOUDY, MAZY 89 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY 92 BANGLADESH VYP CLOUDY, MAZY 93 BANGLADESH VYP CLOUDY, MAZY 94 BANGLADESH VYP CLOUDY, MAZY 95 BANGLADESH VYP CLOUDY, MAZY 96 BANGLADESH VYP CLOUDY, MAZY 97 BANGLADESH VYP CLOUDY, MAZY 98 BANGLADESH VYP CLOUDY, MAZY 99 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY 92 BANGLADESH VYP CLOUDY, MAZY 93 BANGLADESH VYP CLOUDY, MAZY 94 BANGLADESH VYP CLOUDY, MAZY 95 BANGLADESH VYP CLOUDY, MAZY 96 BANGLADESH VYP CLOUDY, MAZY 96 BANGLADESH VYP CLOUDY, MAZY 97 BANGLADESH VYP CLOUDY, MAZY 98 BANGLADESH VYP CLOUDY, MAZY 99 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY 92 BANGLADESH VYP CLOUDY, MAZY 94 BANGLADESH VYP CLOUDY, MAZY 95 BANGLADESH VYP CLOUDY, MAZY 96 BANGLADESH VYP CLOUDY, MAZY 96 BANGLADESH VYP CLOUDY, MAZY 97 BANGLADESH VYP CLOUDY, MAZY 98 BANGLADESH VYP CLOUDY, MAZY 99 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 90 BANGLADESH VYP CLOUDY, MAZY 91 BANGLADESH VYP CLOUDY, MAZY	6	, «	RANGI ADESH			20 AN	03 45	2	: 2	19910506			231		27
88 BANGLADESH VRY CLOUDY, HAZY 19.7N 93.8E 99 LO 250 N N 19910506 064643 142 234 75 99 BANGLADESH VRY CLOUDY, HAZY 19.5N 94.1E 95 LO 250 N N 19910506 064644 14 237 75 91 BANGLADESH VRY CLOUDY, HAZY 19.3N 94.1E 95 LO 250 N N 19910506 064644 14 237 75 18 BERING SEA CLOUDS-SUNGLINT 19.3N 94.1E 95 LO 250 N N 19910506 064644 14 237 75 18 BERING SEA CLOUDS-SUNGLINT 56.9N 17.9E 60 LO 250 N N 19910428 235111 145 176 48 6.3 BERING SEA CLOUDS-SUNGLINT 56.9N 17.9E 60 LO 250 N N 19910428 235111 145 176 48 6.4 BERNUDA ISLANDS HANLTON, CLOUDS 32.5N 64.5W 70 LO 250 N N 19910428 235111 145 176 48 5.0 BERNUDA ISLANDS HANLTON, CLOUDS 32.5N 64.5W 46.0N 17.0E 60.0N 17.9E 60.0 250 N N 19910428 235111 145 176 48 <t< td=""><td>8</td><td>2 60</td><td>BANGI ADESH</td><td></td><td></td><td>20.1N</td><td>35.5</td><td>2 -</td><td>: 2</td><td>19910506</td><td></td><td></td><td>232</td><td></td><td>27</td></t<>	8	2 60	BANGI ADESH			20.1N	35.5	2 -	: 2	19910506			232		27
89 BANGLADESH VRY CLOUDY, HAZY 90 BANGLADESH VRY CLOUDY, HAZY 91 BANGLADESH VRY CLOUDY, HAZY 92 BANGLADESH VRY CLOUDY, HAZY 93 BANGLADESH VRY CLOUDY, HAZY 19 3.08 43.18 60 L0 250 N N 19910506 064648 14 2 238 75 11 BRING SEA CLOUDS-SUNGLINT 12 BERING SEA CLOUDS-SUNGLINT 14 BERING SEA CLOUDS-SUNGLINT 15 BERING SEA CLOUDS-SUNGLINT 16 BERING SEA CLOUDS-SUNGLINT 17 BERING SEA CLOUDS SINGLINT 18 BERING SEA CLOUDS SINGLINT 19 0.06 0.10 250 N N 19910428 235021 145 157 47 10 0.05 0.0 N 19910428 235021 145 157 47 11 0.05 0.0 N 19910428 235021 145 157 47 11 0.05 0.0 N 19910428 235021 145 157 47 11 0.05 0.0 N 19910428 23500 145 165 46 12 BERNUDA ISLANDS HAMILTON, CLOUDS SINGLINT 19 BOLLVIA VERY CLOUDY, HAZY 10 BOLLVIA VERY CLOUDY, HAZY 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 11 0.05 0.0 N 19910505 18526 141 301 49 12 BOLLVIA VERY CLOUDY, HAZY 14 0.0 LVIA VERY CLOUDY, HAZY 15 BOLLVIA N 19910505 18526 141 301 49 18 BOLLVIA N 19910505 18526 141 3	8 6	œ	BANGI ADE SH			19 2N	93.0	2	: z	19910506			234		27
90 BANGLADESH VRY CLOUDY, HAZY 19.3N 94.1E 95 L0 250 N N 19910500 054644 142 237 75 19 B BANGLADESH CLOUDS-SUNGLINY CLOUDY, HAZY 19.0N 94.3E 90 L0 250 N N 19910500 054644 142 237 75 75 18 BERING SEA CLOUDS-SUNGLINY CLOUDS-SUNGLINY CLOUDS-SUNGLINY CLOUDS-SUNGLINY CLOUDS-SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CRANNER, SEE SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY CLOUDS SUNGLINY C	9 6	68	BANGLADESH			19.5N	94.0E	2	z	19910506			236		27
BERNUCA SEA CLOUDS-SUNGLINT SG 91 SG 10 250 N N 19910506 064648 142 238 75 75 75 75 75 75 75 7	93	90	BANGLADESH				94.1E	2	z	19910506			237		27
17 BERING SEA CLOUDS-SUNGLINT 56.9N 173.3E 60 LO 250 N N 19910428 235021 45 145 48 48 48 48 48 48 48	93	91	BANGLADESH	VRY CLOUDY, HAZY		19.0N	94.3E	2	z	19910506			238		27
BERNING SEA	7.1	11	BERING SEA	CLOUDS - SUNGLINT		96.9N	173.3E	9	z	19910428			167	47	10
BERNING SEA-SUNGLINT CLOUDS 32.5N 64.5W 70 LO 260 N N 19910428 235009 145 165 46 64.5W 64.5W 64.5W 64.5W 70 LO 260 N N 19910428 115943 128 230 48 64.5W 70 LO 260 N N 19910428 115943 128 230 48 65.5W 64.5W 70 LO 260 N N 19910428 115943 128 230 48 65.5W 64.5W 7	18		햣		56.2N		2	z	19910428			176	48	10	
64 BERMUDA ISLANDS HAMILTON, CLOUDS 32.5N 64.5W 70 LO 250 U N 19910428 115943 128 230 48 LACK SEA CLOUDS CLOUDS 40.0N 10.0E 0.0 250 N N 19910428 115943 128 230 48 LACK SEA CLOUDS CLOUD	7.7	16		CLOUDS		57.0N	•	2	z	910	23500	14	165	46	10
64 BERMUDA ISLANDS HAMILTON, CLOUDS 32.5N 64.5W 70 LO 250 N 21 BLACK SEA CLOUDS CLOUDS 42.8N 40.0E LO 250 N 19910428 115943 128 49 50 BLACK SEA EDDIES CLOUDS 42.8N 40.0E LO 250 N 19910503 99405 139 49 16 BOLIVIA VERY CLOUDY, HAZY 11.15 65.9W 90 LO 250 N 19910505 185814 141 300 50 1 17 BOLIVIA VERY CLOUDY, HAZY 11.15 65.5W 80 LO 250 N 19910505 188214 130 47 1 19 BOLIVIA VERY CLOUDY, HAZY 11.15 65.5W 80 LO 250 N 19910505 188214 130 47 1 20 BOLIVIA LK. TITICACA, PANORAMA 16.0S 69.0W 17.0S	88	63	BERMUDA ISLANDS	_		34.5W		9	=						
21 BLACK SEA CLOUDS 50 BLACK SEA EDDIES 51 BLACK SEA EDDIES 52 BLACK SEA EDDIES 53 BLACK SEA EDDIES 54 BLACK SEA EDDIES 56 BLACK SEA EDDIES OF COAST TURKEY 56 BOLIVIA 57 BOLIVIA 58 BOLIVIA 58 BOLIVIA 58 BOLIVIA 58 BOLIVIA 59 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 51 BOLIVIA 51 BOLIVIA 52 BOLIVIA 54 BOLIVIA 55 BOLIVIA 55 BOLIVIA 56 BOLIVIA 57 BOLIVIA 58 BOLIVIA 58 BOLIVIA 59 BOLIVIA 59 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 51 BOLIVIA 51 BOLIVIA 52 BOLIVIA 54 BOLIVIA 55 BOLIVIA 56 BOLIVIA 57 BOLIVIA 58 BOLIVIA 58 BOLIVIA 59 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 51 BOLIVIA 51 BOLIVIA 51 BOLIVIA 51 BOLIVIA 51 BOLIVIA 52 BOLIVIA 54 BOLIVIA 55 BOLIVIA 56 BOLIVIA 56 BOLIVIA 57 BOLIVIA 58 BOLIVIA 58 BOLIVIA 59 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 50 BOLIVIA 51 BOLIVI	88	64	BERMUDA ISLANDS			34.5W		07	_						
50 BLACK SEA EDDIES 35 BLACK SEA EDDIES OFF COAST TURKEY A1.5N 40.0E 42.8N 40.0E 0 LO 250 N N 19910563 195814 141 300 50 11 11 300 50 11 11 300 50 11 300 5	71	21	BLACK SEA				31.5E	2	Z	19910428			230	48	7
35 BLACK SEA EDDIES OFF COAST TURKEY 41.5N 40.0E 35 LO 100 N N N 19910505 185814 141 300 50 16 BOLIVIA VERY CLOUDY, HAZY 10.5S 65.9W 90 LO 250 N N 19910505 185826 141 300 50 18 BOLIVIA VERY CLOUDY, HAZY 11.9S 65.1W 90 LO 250 N N 19910505 185826 141 301 49 19 BOLIVIA VERY CLOUDY, HAZY 11.9S 65.1W 90 LO 250 N N 19910505 186819 141 302 47 20 BOLIVIA VERY CLOUDY, HAZY 14.1S 65.1W 90 LO 250 N N 19910505 186819 141 302 47 20 BOLIVIA LK.TITICACA,PANORAMA 16.0S 69.0W 16.4S 62.2W 95 LO 250 N N 19910505 19002 141 303 43 21 BOLIVIA N BORDER WITH BRAZIL 11.1S 65.0W 40 LO 100 N N 19910505 186865 141 301 48 42 BOLIVIA ROGANDE, VERY DARK 18.5S 63.0W 10.0 00.0 00.0 00.0 00.0 00.0	84	20	BLACK SEA	EDDIES		42.8N	40.0E	P	Z	19910503			153	49	81
16 BOLIVIA VERY CLOUDY, HAZY, DARK 10.55 65.9W 90 LO 260 N N 19910505 185814 141 300 50 17 BOLIVIA VERY CLOUDY, HAZY 11.15 65.5W 80 LO 250 N N 19910505 185826 141 300 50 18 BOLIVIA VERY CLOUDY, HAZY 11.15 65.5W 80 LO 250 N N 19910505 185819 141 301 49 20 BOLIVIA VERY CLOUDY, HAZY 14.15 63.7W 80 LO 250 N N 19910505 185919 141 302 47 20 BOLIVIA LK.TITICACA, PANORAMA 16.0S 69.0W 17.0S 61.9W 95 LO 250 N N 19910505 185819 141 303 44 21 BOLIVIA LK.TITICACA, PANORAMA 16.0S 69.0W 17.0S 61.9W 95 LO 250 N N 19910505 186826 141 303 43 41 BOLIVIA N BORDER WITH BRAZIL 11.1S 65.6W 40 LO 100 N N 19910505 186820 141 300 60 42 BOLIVIA SWAMP, INTERIOR DRAINAGE 18.5S 63.0W 17.0S 64.4W 30 LO 100 N N 19910505 18685 141 301 48 178 BOLIVIA RIO GRANDE, VERY DARK 18.5S	909	35			. 5N	\$0.0E		2 10	Z						
17 BOLIVIA VERY CLOUDY, HAZY 11.1S 65.5W BO LO 250 N N 19910505 185826 141 300 50 18 BOLIVIA VERY CLOUDY, HAZY 11.9S 65.1W 90 LO 250 N N 19910505 185840 141 301 49 19 BOLIVIA VERY CLOUDY, HAZY 11.9S 65.1W 90 LO 250 N N 19910505 185840 141 301 49 20 BOLIVIA LK.TITICACA, PANORAMA 16.0S 69.0W 17.0S 61.9W 95 LO 250 N N 19910505 190012 141 303 43 21 BOLIVIA N BORDER WITH BRAZIL 12.0S 69.0W 17.0S 61.9W 95 LO 250 N N 19910505 186320 141 301 49 42 BOLIVIA N BORDER WITH BRAZIL 11.1S 65.6W 40 LO 100 N N 19910505 186320 141 301 49 43 BOLIVIA RO GRANDE, VERY DARK 18.5S 63.0W 18.4W 30 LO 100 N 19910501 <td>93</td> <td>16</td> <td>BOLIVIA</td> <td>CLOUDY, HAZY</td> <td></td> <td>10.58</td> <td>M6.39</td> <td>2</td> <td>z</td> <td>19910505</td> <td></td> <td></td> <td>300</td> <td></td> <td>19</td>	93	16	BOLIVIA	CLOUDY, HAZY		10.58	M6.39	2	z	19910505			300		19
18 BOLIVIA VERY CLOUDY, HAZY 11.9S 65.1W 90 LO 250 N 19910505 185840 141 301 49 19 BOLIVIA VERY CLOUDY, HAZY 14.1S 63.7W 80 LO 250 N 19910505 185819 141 302 47 20 BOLIVIA LK.TITICACA, PANORAMA 16.0S 69.0W 16.4S 62.2W 95 HO 250 N 19910505 185820 141 303 44 21 BOLIVIA N BORDER WITH BRAZIL 16.0S 69.0W 17.0S 65.0W 40 LO 100 N 19910505 185820 141 303 43 42 BOLIVIA N BORDER WITH BRAZIL 12.0S 65.0W 30 LO 100 N 19910505 185855 141 301 49 42 BOLIVIA SWAMP INTERIOR DRAIMAGE 18.5S 63.0W 18.4S 63.7W 25.0W 100 <	93	17	BOLIVIA	VERY CLOUDY, HAZY		11.15	65.5W	2	z	19910505			300		19
19 BOLIVIA VERY CLOUDY, HAZY 20 BOLIVIA LK.TITICACA, PANORAMA 16.0S 69.0W 16.4S 62.2W 95 HO 250 N 19910505 185919 141 302 47 21 BOLIVIA LK.TITICACA, PANORAMA 16.0S 69.0W 17.0S 61.9W 95 LO 250 N 19910505 190012 141 303 43 41 BOLIVIA N BORDER WITH BRAZIL 11.1S 65.6W 40 LO 100 N 19910505 185820 141 301 49 42 BOLIVIA N BORDER WITH BRAZIL 12.0S 65.0W 30 LO 100 N 19910505 185836 141 301 49 43 BOLIVIA SWAMP, INTERIOR DRAINAGE 18.5S 63.0W 18.4S 63.7W 25 LO 250 U 19910505 185855 141 301 48 48 BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 18.4S 63.7W 25 LO 250 U 19910501 205554 136 291 23 49 BOLIVIA ANDES MTS. 17.0S 68.0W 17.0S 68.0W 10 NV 250 N 19910501 205612 137 291 22 40 BOLIVIA ANDES MTS. ALTIPLANO 18.0S 67.7W 5 NV 250 N 19910501 205612 137 291 22 414 BOLIVIA ANDES MTS. ALTIPLANO 18.0S 67.7W 5 NV 250 N 19910501 205612 137 291 22 40 BOLIVIA ANDES WTS. ALTIPLANO 18.5S 67.5W 5 NV 250 N 19910501 205612 137 291 22	93	18	BOLIVIA	VERY CLOUDY, HAZY		11.95	65.1W	2	z	19910505	185840		301		19
20 BOLIVIA LK.TITICACA,PANORAMA 16.0S 69.0W 16.4S 62.2W 95 HO 250 N N 19910505 190002 141 303 43 21 BOLIVIA LK.TITICACA,PANORAMA 16.0S 69.0W 17.0S 61.9W 95 LO 250 N N 19910505 186820 141 303 43 44 41 BOLIVIA N BORDER WITH BRAZIL 11.1S 65.6W 40 LO 100 N N 19910505 185820 141 301 49 42 BOLIVIA N BORDER WITH BRAZIL 12.0S 65.0W 30 LO 100 N N 19910505 186585 141 301 48 43 BOLIVIA SWAMP, INTERIOR DRAINAGE 18.5S 63.0W 18.4S 63.7W 25 LO 250 U N 19910505 180 13 48 13 148 178 BOLIVIA S. END LAKE TITICACA 18.5S 63.0W 19.2S 63.2W 10.0S	93	19	BOLIVIA	VERY CLOUDY, HAZY		14	63.7W	2	z	19910505	185919		302		19
21 BOLIVIA LK.TITICACA,PANORAMA 16.0S 69.0W 17.0S 61.9W 95 LO 250 N N 19910505 190012 141 303 43 41 BOLIVIA N BORDER WITH BRAZIL 11.1S 65.6W 40 LO 100 N N 19910505 185820 141 300 50 42 BOLIVIA N BORDER WITH BRAZIL 12.0S 65.0W 40 LO 100 N N 19910505 185856 141 301 49 43 BOLIVIA SWAMP, INTERIOR DRAINAGE 13.0S 63.0W 18.5S 63.0W 18.4K 64.4W 30 LO 100 N N 19910505 18655 141 301 49 178 BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 19.2S 63.2W 30 LO 250 U N 19910501 20419 13 291 23 214 BOLIVIA S. END LAKE TITICACA 16.5S 63.0W 19.2S 63.2W 5	6	20	BOLIVIA	LK.TITICACA, PANORAMA	. 0S	.0W 16	•	5 HO	2	19910505	190002	~	303		19
41 BOLIVIA N BORDER WITH BRAZIL 42 BOLIVIA 43 BOLIVIA 44 BOLIVIA 45 BOLIVIA 46 BOLIVIA 47 BOLIVIA 48 BOLIVIA 48 BOLIVIA 49 BOLIVIA 40 BORDER WITH BRAZIL 40 BOLIVIA 41 BOLIVIA 41 BOLIVIA 42 BOLIVIA 43 BOLIVIA 44 BOLIVIA 46 BOLIVIA 47 BOLIVIA 48 BOLIVIA 49 BOLIVIA 40 LO 100 N N 19910505 185856 141 301 48 49 13 13 13 14 89 13 49 13 14 80 110 100 N N 19910505 18585 141 301 48 40 BOLIVIA 40 BOLIVIA 41 BOLIVIA 41 BOLIVIA 42 BOLIVIA 43 BOLIVIA 44 BOLIVIA 46 BOLIVIA 47 B.55 G3.0W 18.45 G3.0W 18.45 G3.7W 25 LO 250 U N 19910430 210403 137 289 13 48 BOLIVIA 49 BOLIVIA 40 BOLIVIA 41 BOLIVIA 41 BOLIVIA 42 BOLIVIA 43 BOLIVIA 44 BOLIVIA 45 G3.0W 18.45 G3.0W 18.45 G3.7W 25 U N 19910501 205554 136 291 23 48 BOLIVIA 48 BOLIVIA 49 BOLIVIA 40 BOLIVIA	93	21	BOLIVIA	LK. TITICACA, PANORAMA		3	61.9W	2	z	19910505	190012	141	303		19
42 BOLIVIA N BORDER WITH BRAZIL 12.0S 65.0W 30 LO 100 N 19910505 185836 141 301 49 48 50 LO 100 N 19910505 185836 141 301 48 48 13.0S 64.4W 30 LO 100 N 19910505 185855 141 301 48 13 8 BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 18.4S 63.7W 25 LO 250 U N 19910430 210403 137 289 13 178 BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 19.2S 63.2W 30 LO 250 U N 19910430 210419 138 290 12 214 BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 17.0S 68.4W 5 NV 250 N N 19910501 205554 136 291 23 215 BOLIVIA ANDES MTS. ALTIPLANO 18.0S 68.0W 17.5S 68.0W 10 NV 250 N N 19910501 205612 137 291 22 215 BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 0 NV 250 N Y	98	41	BOLIVIA			11.15	65.6W	2	z	19910505	185820		300		19
43 BOLIVIA SWAMP, INTERIOR DRAINAGE 13.0S 64.4W 30 LO 100 N N 19910505 186855 141 301 48 178 BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 18.4S 63.7W 25 LO 250 U N 19910430 210403 137 289 13 178A BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 19.2S 63.2W 30 LO 250 U N 19910430 210419 138 290 12 214 BOLIVIA S. END LAKE TITICACA 16.5S 69.0W 17.0S 68.4W 5 NV 250 N N 19910501 205554 136 291 23 215 BOLIVIA ANDES MTS. ALTIPLANO 18.0S 68.0W 17.5S 68.0W 10 NV 250 N N 19910501 205603 137 291 23 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 6 NV 250 N Y	95	42	BOLIVIA			12.08	65.0W	2	z	19910505	185836		301		19
178 BOLIVIA RIO GRANDE, VERY DARK 18.55 63.0W 18.45 63.7W 25 LO 250 U N 19910430 210403 137 289 13 178A BOLIVIA RIO GRANDE, VERY DARK 18.55 63.0W 19.25 63.2W 30 LO 250 U N 19910430 210419 138 290 12 214 BOLIVIA S. END LAKE TITICACA 16.55 69.0W 17.0S 68.4W 5 NV 250 N N 19910501 205554 136 291 23 215 BOLIVIA ANDES MTS. 17.0S 68.0W 17.5S 68.0W 10 NV 250 N N 19910501 205603 137 291 22 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 0 NV 250 N Y	92	43	BOLIVIA			13.05	64.4W	2	z	19910505	185855		301		19
178A BOLIVIA RIO GRANDE, VERY DARK 18.5S 63.0W 19.2S 63.2W 30 LO 250 U N 19910430 210419 138 290 12 214 BOLIVIA S. END LAKE TITICACA 16.5S 69.0W 17.0S 68.4W 5 NV 250 N N 19910501 205554 136 291 23 215 BOLIVIA ANDES MTS. 17.0S 68.0W 17.5S 68.0W 10 NV 250 N N 19910501 205603 137 291 23 216 BOLIVIA ANDES MTS., ALTIPLANO 18.0S 68.0W 18.0S 67.7W 5 NV 250 N N 19910501 205612 137 291 22 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 0 NV 250 N Y	151	178	BOLIVIA		.58	3.		2	¬	19910430	210403	137	289	13	40
214 BOLIVIA S. END LAKE TITICACA 16.5S 69.0W 17.0S 68.4W 5 NV 250 N N 19910501 205554 136 291 23 5 215 BOLIVIA ANDES MTS. 17.0S 68.0W 17.5S 68.0W 10 NV 250 N N 19910501 205603 137 291 23 5 216 BOLIVIA ANDES MTS., ALTIPLANO 18.0S 68.0W 18.0S 67.7W 5 NV 250 N N 19910501 205612 137 291 22 5 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 0 NV 250 N Y	151	178A	BOLIVIA	, VERY			63.2W	2	>	19910430	210419	138	290	12	40
215 BOLIVIA ANDES MTS. 17.0S 68.0W 17.5S 68.0W 10 NV 250 N N 19910501 205603 137 291 23 5 216 BOLIVIA ANDES MTS., ALTIPLANO 18.0S 68.0W 18.0S 67.7W 5 NV 250 N N 19910501 205612 137 291 22 5 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 0 NV 250 N Y	151	214	BOLIVIA	KE		.0W 17	68.4W	≩	z	19910501	205554	136	291	23	96
216 BOLIVIA ANDES MTS., ALTIPLANO 18.0S 68.0W 18.0S 67.7W 5 NV 250 N N 19910501 205612 137 291 22 5 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.5S 67.5W 0 NV 250 N Y	151	215	BOLIVIA	. :		.OW 17	68.0W	≩	_	19910501	205603	137	291	23	99
1 216A BOLIVIA LAKE POOPO, ALTIPLANO 18.55 67.5W 0 NV 250	151	216	BOLIVIA	MTS.,		.0W 18	67.7W	≩:		19910501	205612	137	291	22	99
	151	216A	BOLIVIA	P00P0,	.55	37.5W		≩	- I				Ì		\neg

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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젍	<u>م</u>	GEOGRAPHIC NAME	FEATURE	LAT LON		LAT	ည	7	E S	DATE	GMT	AL	AZ SI	ال ال	OR
151	217	BOLIVIA	LAKE POOPO	67	.0W 18.6S	S 67.4W		NV 250	≻ N	19910501	205622		282	22	99
151	218	BOLIVIA	LAKE COIPASA	19.55 68.	.0W 19.0S	S 67.1W	0	NV 250	2	19910501	205630	137	292	21	56
151	219	BOLIVIA	UYUNI SALAR	68	.0W 19.4S		0	NV 250	z	19910501	205637		292	21	99
151	220	BOLIVIA	UYUNI SALAR	68		S 66.7W		NV 250	Z	19910501	205641	137	292	21	56
151	221	BOLIVIA	UYUNI SALAR	67		S 66.3W	0	NV 250	z	19910501	205651	137	292	70	56
809	90	BOLIVIA	LAKE TITICACA		0W 15.5S	73.			z	19910502	204700		295	24	71
72	16	BRAZIL	JAGUARIBE RIVER MOUTH					10 250							
72	17	BRAZIL	COAST S. OF ARACATI	37	3 6			LO 250	z						
72	18	BRAZIL	COAST NEAR AREIA BRANCA	5.0S 37.0W	3 6		25 L	LO 250	2						·
72	19	BRAZIL	Ä		.0		O9	LO 250	× 2						
72	20	BRAZIE	JAGHARIBE RIVER MOHTH	4.55.38.	3 0		45	10 250							
2		RDA71	E DIVED	FC 38	3				2						
, 2	9 2	SPAZIL SPAZII	AMA 70N	?	B				: Z						
12	9	BRAZII	AMA 70N						: 2						
7. 2.	28	BRAZII	TVFR	3.05.65	0W 5.3S	63.8W			: z	19910428	211344	138	285	12	œ
75	5.2	BRAZII	RTO PURUS	0.5 64		63.			=	19910428	211408		286	1	- 00
83	100	BRAZIL	CANAL DO NORTE-AMAZON R.					10 250		19910429	193601		285	23	23
83	101	BRAZIL	FRANCISCO		12	41			æ	19910429	193948		287	: =	23
83	102	BRAZII							2	19910429	194006		287	10	23
85	25	BRAZII	œ	: :	•		· 40	10 250	Z	19910430	192914		286	28	39
3	3	Outte			•	;	,		•	200	1353		2	3	3
87	49	BRAZIL	AGR, VERY DARK		9.28	S 61.5W		LO 250	⊃	19910428	211457	138	286	Ø	89
87	20	BRAZIL	AGR, VERY DARK		9.68	S 61.3W	30 L	LO 250	∀ 0 (19910428	211504	138	286	œ	80
83	0 9	BRAZIL	VICINITY MOUTH AMAZON R.		4.6M		90 L	LO 250	z	19910429	193446		284	56	23
88	-	BRAZIL	VICINITY MOUTH AMAZON R.		3.9N		95 L	LO 250	Z Z	19910429	193457	137	284	97	23
88	7	BRAZIL	VICINITY MOUTH AMAZON R.		3.0N	49			z	19910429	193514		284	52	23
68	က	BRAZIL	VICINITY MOUTH AMAZON R.		2.3				z	19910429	193527		284	24	23
83	4	BRAZIL	VICINITY MOUTH AMAZON R.		1.9N	49	95 L	LO 250	z	19910429	193534		285	24	23
83	S	BRAZIL	AZON		1.2N	4			z	19910429	193545		285	23	23
83	တ	BRAZIL	L,VRY		æ	47			z	19910429	193639		286	21	23
68	7	BRAZIL	NE.BRAZIL,VRY CLOUDY		2.18	S 47.0W	- 09	LO 250	z z	19910429	193644	137	286	20	23
83	œ	BRAZIL	NE.BRAZIL,VRY CLOUDY		2.48	S 46.8W	06	LO 250	z	19910429	193649	137	286	20	23
68	თ	BRAZIL	NE. BRAZIL, FOREST, MTNS.			46	40 L	LO 250	Z	19910429	193655	137	286	20	23
83	10	BRAZIL	ز. ا		3.65				z	19910429	193711		286	13	23
88	11	BRAZIL	BRAZIL,		4.15	4			z	19910429	193720		286	13	23
88	12	BRAZIL			4.58	S 45.6W	60 L	LO 250		19910429	193727		286	18	23
88	13	BRAZIL	NE. BRAZIL, FOREST, MTNS.		5.38	•	70 L	LO 250	z	19910429	193741		287	18	23
68	14	BRAZIL	Ţ		6.05	S 44.7W			z	19910429	193754		287	17	23
88	15	BRAZIL			7.15				2	19910429	193814		287	16	23
68	16	BRAZIL	NE.BRAZIL, FOREST, MTNS.		7.58	43			2	19910429	193821		287	15	23
83	17	BRAZIL	SWAMPY AREAS		8.7.	S 43.1W	30 L	LO 250	Z	19910429	193842	138	287	14	23

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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=	۳	GEOGRAPHIC NAME		AT LO		S	=	ш	DATE	E E	A.	AZ	Ì	š
8	18	BRAZIL		11.55 43.4	. 18		2	250 N N	19910429	193850	138	287		53
88	19	BRAZIL	VRY DARK FRAME				2	250 N N	19910429	193901	138	287		23
88	20	BRAZIL	AREA NEAR UBATA		14.25 39	W	40 LO 29	250 N N	19910429	194022	138	287		23
89	21	BRAZIL	AREA NEAR UBATA		14.65 38	9.5W	50 LO 25	250 N N	19910429	194028	138	287	თ	23
83	42	BRAZIL	CLDY, PARTIAL FRAME			38	2	250 N N	19910429	210632	137	286		24
88	43	BRAZIL			5.25 67	36		250 N N	19910429	210714	137	287		24
95	39	BRAZIL				13.	2	z	19910505	185721	141	298	53 1	119
95	40	BRAZIL	W. AMAZON BASIN, CULT. FLDS			3.	2	_	19910505	185734	141	299	53 1	119
95	45	BRAZIL		30.55 51.0		8	2	100 N N	19910505	190329	142	305	31 1	119
95	46	BRAZIL	LAGOS DOS PATOS	31.25 51.3	.3W 29.5S 52	2.7W	40 LO 1(100 N N	19910505	190400	143	305	29 1	119
95	47	BRAZIL	AREA S.LAGUNA MERIN	.0S 54.	OW 30.4S 51	1.9W	40 LO 10	100 N N	19910505	190419	143	305	27 1	119
151	509	BRAZIL	RIVER BASIN	6	9.35	4	2	250 N N	19910501	192405	137	289		55
151	210	BRAZIL .		.55 45.	5W 17.5S 45	5.3W	5 LO 2		19910501	192632	138	291		25
151	211	BRAZIL	SERVOIR	5	0W 18.5S 44	™ .	2	250 N N	19910501	192651	138	291		25
151	211A	BRAZIL		₹.	5W 20.7S 43	. 2W		z	19910501	192732	138	292		55
151	212	BRAZIL	VE I RO	₽.	21.85	¥.	2	250 N N	19910501	192752	138	292	18	99
151	213	BRAZIL	L, AF	.05 42.	0W 22.5S 41	1.9W	2	Z	19910501	192805	138	292		55
71	V		MORY	58.0N 4.0W	57.2N	8.3M	2	z	19910428	115256	108	167		7
11		BRITAIN	SCOTLAND-MORY FIRTH	4	OW 57.0N	3.4W		250 N Y	19910428	115312	109	169		2
71	7	BRITAIN	SCOTLAND-NW PART-PETERHE	57.5N 2.0	OM 56.8N	4.5W	56 LO 29	250 N N	19910428	115328	110	172	47	7
71	ო	BRITAIN	SCOTLAND-ARBROATH-DUNDEE		5W 56.7N	38.	45 LO 29	50 N	19910428	115336	111	173	47	7
74	99	BRITAIN	200	1.5N 2	54.8N	Mg	5 LO	Z	19910506	093249	146	118	36 1	59
74	57	BRITAIN	RISTOL	~	54.		2	Z	19910506	093251	146	118		59
74	58	BRITAIN	IE-ENGLI	O NO.			80 LO 29		19910506	093255	146	119		59
74	9	BRITAIN	CLOUDS		4.4N		2	z	19910506	093306	146	120		129
80	34	BRITAIN	SCOTLAND-MORAY FINVERN	57.5N 4.5	5W 56.8N (M5.9	20 LO 25	250 N Y	19910429	101444	145	136	41	17
80	35	BRITAIN	SCOTLAND-MORAY F INVERN		56.9N	9.8₩	L0 2	250 N N	19910429	101450	145	157	41	17
80	36	BRITAIN	SCOTLAND-NE COAST	57.5N 2.0	.0W 57.0N	₩0.3	5 LO 2	250 N Y	19910429	101457	145	138	41	17
80	37	BRITAIN	SCOTLAND-ABERDEEN	57.0N 2.5	.5W 57.0N 4	4.2W	2	250 N Y	19910429	101504	145	139	42	17
80	38	BRITAIN	SCOTLAND-ORKNEY ISLANDS	58.5N 3.0	.0W 57.2N 1		0 LO 2	20 N N	19910429	101524	145	142	42	
80	39	BRITAIN	SCOTLAND-PETERHEAD	57.5N 1.5	.5W 57.2N	MS.	5 10 26	250 N N	19910429	101535	145	144	43	17
84	35	BRITAIN	ISLE OF WIGHT, HAZY	. N	50.5N		≩		19910503	064023	141	69		- 6/
85	0 V	A BRITAIN	NO. END SCOTLAND, ORKNEY 1	4			오	z						
82		B BRITAIN	NO. END SCOTLAND, ORKNEY I	4	3		오	40 N Y						-
96	92	BRITAIN	•		51.7N		2	z	19910503	111943	146	121	36	82
151	0 A	BRITAIN		~	97.0N		2	z	19910429	101456	145	139		17
151	-	BRITAIN	SCOTLAND, MORAY FIRTH	. ON 2	57.1N		2	Z	19910429	101512	145	141		17
151	40A	BRITAIN	~	ON 3	54.6N		2	Z Z O	19910430	083614	145	112		32
151	93	BRITAIN	ISLANDS	. ON 3	56.		웆	z z o	19910430	114104	144	159	46	34
151	94	BRITAIN	SHETLAND, ORKNEY ISLANDS	59.0N 1.0W	W 55.8N 4	1.1W	10 HO 25	NO	19910430	114136	144	164	48	34
										1	-			

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CEN		ADIR								SUS	
¥	ä	GEOGRAPHIC NAME		LAT LON		LAT LON	22		S	DATE	GMT	¥	AZ		8
151	92	BRITAIN	ABERDEEN SCOTLAND	57.5N	.OW 55	2.		250		19910430	114147			•	34
601	25	BRITAIN	SCOTLAND, ORKNEY ISLANDS	57.5N	3.0W 56.1N	N 3.3W	55 HO	100		19910429	114800	00 138	8 172	48	17
603	37	BRITAIN	SCOTLAND, MORAY FIRTH	67.5N	2.5W 57.1N	N 2.7W	40 LO	100	2 2	19910430	100900	00 137	7 140	•	32
603	38	BRITAIN	ORKNEY, SHETLAND ISLANDS	89.0N	30		25 HO	100		19910430	100900	137	7 140	42	32
603	39	BRITAIN	ORKNEY, SHETLAND, FAROE	80.0N			15 HO	100		19910430	100900	00 137	7 140	•	32
604	-	BRITAIN		95.0N	5.0W 55.7N		5 LO	250		19910501	113400	00 136	5 159	•	\$
607	13	BRITAIN	z	56.0N	3		55 LO	100	-	9910430	114200	00 137		49	33
607	14	BRITAIN	NE SCOTLAND, ORKNEY IS.	57.0N				100	Z	19910430				4	33
609	30	PRITAIN	GRAMPIAN MTS., ARRAN IS.	56.0N			5 LO	250	z	19910505	080400		1 105	28	111
609	31	BRITAIN	FIRTH OF FORTH	56.0N	4.0W 56.9N		30 LO	250	2	19910505	080400	00 141	105	28	111
609	45	BRITAIN	KILBRANNIAN SOUND	55.5N	5.5W 56.8N	M 10.7W	2	250 N		19910505	093600	141	1 120	37	112
009	46	RDITATA	CHICS NATUNAGE ITY		3	5			: >	10010505					112
000	2 5	BRITAIN	و ي		3	? =			- 2	19910501					48
3 4		BIII CADIA	. ~	42 . V					: 2	10010501					9
F0.4	3 ^	BUI GARTA		43.V	20.8			250	: 2	19910501	• •				9 6
) a	, ,	RIBAA	ARTARAN	20.00		_		2 6	: >	19910429					9
) a	;;	ANGINA	CUE OF MADIABAN	2				2	- >	10010429	_				<u> </u>
2 0	, ,	SMOTO O		200				3 4	- >	10010429					. 4
9 6	3 4	SE CO	יייייייייייייייייייייייייייייייייייייי	20.01	3 :	3 5			- >	0040400	_				2 9
90	C 7	BOKE	BIGH! OF BANGKOK-MALAY P	20.01	. 35 12	20.			-	18910429				?	9 9
08 	56	BURMA	MALAY PENINSULA-SUNGLINT	10.0N	98.0E 10.3N	N 105.1E	25 HO	20 1	== >- ==	9910429	090557	57 13	8 280	29	16
88	74	BURMA	IRRAWADDY RIVER BASIN	21.0N	95.0E		07 0	250 N	z						
88	75	BURMA	IRRAWADDY RIVER BASIN	18.5N	94.5E		10 10	250	z						
88	9/	BURMA	RIVER	17.5N	95.05			250	z						
88	11	BURMA	RIVER	17.0N	95.0E			250	_						
88	78	BURMA	RIVER	17.0N	95.5E			250							
88	79	BURMA		16.5N	95.5E			250							
88	80	BURMA	RIVER B	18.0N	97.5E			250							
88	81	BURMA	DAUNA RANGE	18.5N	97.06		5 10	250	z						
88	82	BURMA	SALAWEEN RIVER MOUTH	16.5N	97.5E		15 LO	250	z						
88	83	BURMA	GULF OF MARTABAN	16.0N	97.0E		10 00	520	z						
α	γα	BIOMA	TODAMADON OTHER DELTA	16 60	90 90		0.00	250	2						
3 8	5 6	CEE OO	NAVEN OFFI	2) . 				2 2						
8 8	က ဇ	BURMA	MOUNIAINS, SALAWEEN R.	16.5N	98.55			250	-						
20 20	S S	BUKIMA		16.0N	97.5E			062	_						
88	90	BURMA	MOUNTAINS, STREAMS	14.5N	98.5 E			250	_						
88	95	BURMA	COASTAL MOUNTAINS	13.5N	30.0E			250							
88	96	BURMA	COAST, MALI ISLAND	14.5N	98.5E			250	z						
68	94	BURMA		٠	. 4E			250		19910430					35
89	92	BURMA	MOUTH OF TOVOY RIVER	13.8N	98.3E 12.9N			250	Z	19910430					32
93	95	BURMA			18.7N	94		250	z	19910506					127
93	93	BURMA	VRY CLOUDY, HAZY	18.0N	84.4E 18.0N	N 95.0E	80 LO	100	Z	9910506	064707	07 142	2 243	75	127

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

REPRESENTATION OF THE RECALDING MARK TEACHER LATTO TO THE RECALL THE RECALL TO THE RECALL TO THE RECALL TO THE RECALL TO THE REC					THUS		MADTO						İ		ľ	2	
94 BURNA VIN CLOUDY, HAZY 17-89 94.6E 17-80 95.6E 10.100 N W 19910006 064716 142 244 95 BURNA VIN CLOUDY, HAZY 17-89 95.0E 17-80 95.6E 10.100 N W 19910006 064716 142 245 99 BURNA VIN CLOUDY, HAZY PRAIDED STRM 17-0N 95.0E 16.7N 95.0E 10.100 N W 19910006 064736 142 249 99 BURNA CLOUDY, HAZY BRAIDED STRM 17-0N 95.0E 16.7N 95.0E 10.100 N W 19910006 064736 142 269 100 100 W W 19910006 064736 142 269 100 WWW W 19010006 064736 142 269 100 WWW W 19010006 064736 142 269 100 WWW W 19910006 064736 142 269 100 WWW W 19910006 064736 142 269 100 WWW W 19910006 064736 142 269 100 WWW W 19910006 064736 142 269 100 WWW W 19910006 064736 142 269 100 WWW 19910006 064736 142 269 100 WWW W	R	F	GEOGRAPHIC NAME	FEATURE	LATEN	_	AT LON		C 7L	F	S	DATE	GMT	AL	7	EL	08
95 BURNA VWR CLOUDY, HAZY 17,08 95,02 17,08 95,02 10,100 N N 19910506 044726 422 245 99 BURNA CLOUDY, HAZY BRAIDED STRH 17,08 95,25 16,07 95,00 L0 100 N N 19910506 064726 422 246 99 BURNA CLOUDY, HAZY BRAIDED STRH 17,08 95,02 10,00 N N 19910506 064736 422 246 199 BURNA CLOUDY, HAZY BRAIDED STRH 17,08 95,02 10,00 N N 19910506 064736 422 246 199 BURNA CLOUDY, HAZY BRAIDED STRH 17,08 95,00 16,50 N 95,00 L0 100 N N 19910506 064736 422 260 100 BURNA CLOUDY, HAZY BRAIDED STRH 15,09 95,00 16,50 N 95,10 L0 100 N N 19910506 064734 422 250 100 BURNA CLOUDY, HAZY BRAIDED STRH 15,09 95,00 16,50 N 95,10 L0 100 N N 19910506 064734 422 250 100 BURNA CLOUDY, HAZY BRAIDED STRH 15,09 95,10 L0 100 N N 19910506 064736 422 250 100 BURNA CLOUDY, HAZY BRAIDED STRH 15,09 95,10 L0 100 N N 19910505 06502 443 122 250 100 BURNA CLUDY, HAZY BRAIDED STRH 15,09 95,10 L0 100 N N 19910505 06502 443 122 250 100 BURNA CLUDY, HAZY BRAIDED STRH 15,00 PG 51 15,00 PG	93	94	BURMA	VRY CLOUDY, HAZY	17.6N	.5E 17	95.	E		i		910506	064711	14	244	75	127
99 BIJURNA NY CLOUDY, HAZY 17.00 95.0E 17.70 95.6E 60.D 100 N N 19910506 064720 142 269 99 BIJURNA CLOUDY, HAZY BRANDED STRM 15.0N 95.0E 17.0N 95.6E 60.D 100 N N 19910506 064730 142 269 99 BIJURNA CLOUDY, HAZY BRANDED STRM 15.0N 95.0E 17.00 100 N N 19910506 064730 142 269 91 BIJURNA CLOUDY, HAZY BRANDED STRM 15.0N 95.0E 16.3N 96.1E 60.D 100 N N 19910506 064730 142 261 101 BIJURNA CLOUDY, HAZY BRANDED STRM 15.0N 95.0E 16.3N 96.1E 60.D 100 N N 19910506 064730 142 251 101 BIJURNA CLOUDY, HAZY BRANDED STRM 15.0N 95.0E 16.3N 96.1E 60.D 100 N N 19910506 064730 142 251 101 BIJURNA CLOUDY, HAZY BRANDED STRM 16.0N 95.7E 16.1N 96.1E 60.D 100 N N 19910506 064730 142 251 101 BIJURNA CHINMIN R. VALLEY, NW. 22.3N 94.1E 23.D 10.D 100 N N 19910506 064730 142 251 101 BIJURNA CHINMIN R. VALLEY, NW. 22.3N 94.1E 23.N 95.3E 0.D 100 N N 19910506 065037 472 211 101 BIJURNA CHINMIN R. VALLEY, NW. 22.3N 94.1E 23.N 95.3E 0.D 100 N N 19910506 065037 472 211 101 BIJURNA CHINMIN R. VALLEY, NW. 22.3N 94.1E 23.N 95.3E 0.D 100 N N 19910506 065037 472 211 101 BIJURNA CHINMIN R. VALLEY, NW. 22.3N 94.1E 23.N 95.1E 0.D 100 N N 19910506 065040 442 216 219 101 BIJURNA CHINMIN R. VALLEY, NW. 22.3N 94.1E 23.N 95.1E 0.D 100 N N 19910506 065040 442 216 219 101 BIJURNA CHINMIN R. VALLEY, NW. 22.N 94.1E 23.N 95.1E 0.D 10 N N 19910506 065102 142 219 101 BIJURNA CHINMIN R. VALLEY, NW. 32.N 94.1E 23.N 95.1E 0.D 10 N N 19910506 065102 142 221 101 BIJURNA CHINMIN R. VALLEY, NW. 32.N 94.1E 23.N 95.1E 0.D 10 N N 19910506 065102 142 221 101 BIJURNA CHINMIN R. VALLEY, NW. 32.N 94.1E 23.N 95.1E 0.D 10 N N 19910506 065103 142 221 101 BIJURNA CHINMIN R. VALLEY NW. 32.N 94.1E 23.N 95.1E 0.D 10 N N 19910506 065103 142 231 101 BIJURNA CHINMIN R. VALLEY NW. 32.N 94.1E 0.D 10 N N 19910506 065210 142 231 101 BIJURNA CHINMIN R. VALLEY NW. 32.N 94.1E 0.D 10 N N 19910506 065210 142 231 101 BIJURNA CHINMIN R. VALLEY NW. 32.N 94.1E 0.D 10 N N 19910506 065210 142 231 142 231 101 BIJURNA CHINMIN R. VALLEY NW. 32.N 94.1E 0.D 10 N N 19910506 065211 142 231 142 231 143 231 143 231	93	95	BURMA	CLOUI	17.5N	5.0E 17	6N 95	ш				910506	064715	14	245	75	127
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99 BURNA CLOUDY-HAY'S BRAIDED STRM 17.0N 95.5E 16.7D 10.1D N N 19910566 064734 142 269 100 BURNA CLOUDY-HAY'S BRAIDED STRM 16.5N 95.0E 16.3N 95.1E 01.0D N N 19910566 064734 142 251 100 BURNA CLOUDY-HAY'S BRAIDED STRM 16.5N 95.0E 16.3N 95.1E 01.0D N N 19910566 064744 142 251 122 BURNA CLOUDY-HAY'S BRAIDED STRM 16.5N 95.0E 16.3N 95.4E 01.0D N N 19910566 064744 142 251 122 BURNA CHINMIN R.YALLEY,NW. 22.1N 94.4E 23.0E 01.0D N N 19910566 06474 142 21 21 21 21 21 21 21 21 21 21 21 21 21	93	97	BURMA	CLOUE	17.0N	5.2E 17	ON 95.	ш			_	910506	064725			75	127
99 BURNA CLOUDY HAZY, BRAIDED STRM 16.5N 95.0E 16.5N 10.10 N N 19910506 06739 14.2 25. 101 BURNA CLOUDY HAZY, BRAIDED STRM 16.5N 95.0E 16.5N 10.10 N N 19910506 06739 14.2 25. 102 BURNA CLOUDY HAZY, BRAIDED STRM 16.0N 95.7E 16.0N 96.2E 6.0 D 100 N N 19910506 06739 14.2 25. 103 BURNA CLOUDY HAZY, BRAIDED STRM 16.0N 95.7E 16.0N 96.2E 6.0 D 100 N N 19910506 06739 14.2 25. 104 BURNA CLUODY HAZY, BRAIDED STRM 16.0N 95.7E 16.0N 96.2E 6.0D 100 N N 19910506 06739 14.2 25. 105 BURNA CHINNIN R.YALLEY, WA. 22.4N 94.7E 23.5N 95.4E 10.00 N N 19910506 06703 14.2 21. 107 BURNA CHINNIN R.YALLEY, WA. 22.4N 94.7E 23.5N 95.4E 10.00 N N 19910506 065037 14.2 21. 108 BURNA CHINNIN R.YALLEY, WA. 22.4N 94.8E 23.5N 95.4E 10.00 N N 19910506 06504 14.2 21. 108 BURNA HARANDOV, AT YERANOVAN TO 2.0N 94.6E 23.5N 95.4E 10.00 N N 19910506 06504 14.2 21. 108 BURNA HOUTH MIN CHAUNG R. AREA 19.0N 95.7E 10.00 N N 19910506 065101 14.2 21. 108 BURNA HARANDOV, AT YERANOVAN TO 2.0N 94.6E 22.8N 96.4E 10.00 N N 19910506 06510 14.2 21. 108 BURNA HARANDOV, AT YERANOVAN TO 2.0N 94.6E 22.8N 96.4E 10.00 N N 19910506 06510 14.2 22. 108 BURNA HARANDOV, AT YERANOVAN TO 2.0N 94.6E 22.8N 96.4E 10.00 N N 19910506 06510 14.2 22. 108 BURNA HARANDOV, AT YERANOVAN TO 2.0N 94.6E 22.8N 96.4E 10.00 N N 19910506 06510 14.2 22. 109 BURNA HARANDOV, AT YERANOVAN TO 2.0N 94.6E 22.8N 95.4E 10.00 N N 19910506 06510 14.2 22. 109 BURNA HARANDOV MARKAN YOMA MINS. 19.0N 95.0E 20.0N 97.1E 00.00 N N 19910506 06510 14.2 22. 109 BURNA HARANDOV MARKAN YOMA MINS. 19.0N 95.0E 20.4N 97.7E 00.00 N N 19910506 06510 14.2 22. 109 BURNA HARANDOV MARKAN YOMA MINS. 19.0N 95.0E 20.6N 97.6E 00.00 N N 19910506 06520 14.2 23. 109 BURNA HARANDOV RANKAN YOMA MINS. 19.0N 95.0E 20.6N 97.6E 00.00 N N 19910506 06520 14.2 23. 109 BURNA HARANDOV RANKAN YOMA MINS. 19.0N 95.0E 20.6N N 19910506 06520 14.2 23. 109 BURNA HARAGON MARKAN YOMA MINS. 19.0N 95.0E 10.00 N N 19910506 06520 14.2 23. 109 BURNA HARADON MARKAN YOMA MINS. 15.0N 95.0E 10.00 N N 19910506 06520 14.2 22. 109 BURNA HARAGON MARKAN YOMA MINS. 15.0N	93	86	BURMA	ZY, BRAIDED		5.5E 16	95					910506	064730	14	249	75	127
BURNA	93	66	BURMA	ZY, BRAIDED		5.0E 16	95				-	910506	064734		~	75	127
102 BURRA CLOUDY, HAY, BRANDED STRH 16.0N 95.7E		100	BURMA	ZY, BRAIDED	16.	5.0E 16	3N 96				_	910506	064738			75	127
102 BURRA CLIUDOV, RAY, BRAIDED STRM 16.0N 94.5E 15.7N 95.1E 80 LO 100 N N 19910560 665029 143 211		101	BURMA	ZY, BRAIDED	_	5.7E 1	96	ш			-	910506	064743		25	74	127
Dental Burnary Chinalin R.Valley, NW. 23.0N 94.3E 24.1N 95.1E 80 LO 100 N N 19910565 066029 4.3 211 Surhary Chinalin R.Valley, NW. 22.7N 94.4E 23.9N 95.3E 80 LO 100 N N 19910565 066037 4.2 212 Surhary Chinalin R.Valley, NW. 22.4N 94.7E 23.7N 94.6E 22.8N 95.4E 80 LO 100 N N 19910565 066037 4.2 213 Surhary Chinalin R.Valley, NW. 22.4N 94.7E 23.7N 95.4E 90 LO 100 N N 19910565 066047 1.2 214 Surhary Irravandory AT Chank 22.7N 94.8E 23.6N 95.6E 10.10 100 N N 19910565 066047 1.2 214 Surhary Irravandory AT Chank 20.7N 94.8E 22.8N 95.7E 30 LO 100 N N 19910565 066504 1.2 214 Surhary Irravandory AT Chank 20.7N 94.8E 22.8N 95.7E 30 LO 100 N N 19910565 066512 1.2 214 Surhary MOUTH MIN Chauk R. AREA 19.8N 93.7E 21.1N 97.7E 010 N N 19910565 066512 1.2 214 Surhary AARKAN YOMA MINS 19.8N 93.7E 21.1N 97.7E 010 N N 19910565 066512 1.2 224 Surhary ARRANA YOMA MINS 19.0N 95.0E 20.6N 97.6E 00.10 N N 19910565 066512 1.2 224 Surhary ARRANA YOMA MINS 19.0N 95.0E 20.6N 97.6E 00.10 N N 19910565 066512 1.2 224 Surhary ARRANA YOMA MINS 19.0N 95.0E 20.6N 97.6E 00.10 N N 19910565 066512 1.2 224 Surhary ARRANA YOMA MINS 19.0N 95.0E 20.6N 97.6E 00.10 N N 19910565 066512 1.2 224 Surhary MOUTH OF IRRAWADDY R. 16.0N 95.0E 20.4N 97.6E 00.10 N N 19910565 066521 1.2 234 Surhary MOUTH OF IRRAWADDY R. 16.0N 95.0E 19.3N 97.6E 00.10 N N 19910565 066521 1.2 234 Surhary ARRANA YOMA MINS 19.0N 95.0E 19.3N 97.6E 00.10 N N 19910565 066521 1.2 234 Surhary MOUTH OF IRRAWADDY R. 16.0N 95.0E 19.3N 97.6E 00.10 N N 19910565 066521 1.2 234 Surhary ARRANGON AREA 17.0N 96.0E 13.3N 97.6E 00.10 N N 19910565 066521 1.2 234 Surhary AURHAR NURL METH 16.0N 95.0E 10.10 N N 19910565 066521 1.2 234		102	BURMA	ZY, BRAIDED	_	5.8E 1	96	ш			-	905016	064748	_	25	74	127
DURMA CHINNIN R.VALLEY, NW. 22.7H 94.7E 23.9H 95.3E 80 LO 100 N H 19910550 055033 142 212 BURNA CHINNIN R.VALLEY, NW. 22.3H 94.7E 23.7H 95.4E 80 LO 100 N H 19910550 055037 142 213 BURNA IRRAAADDY, AT YERNAYONY, R. 22.3H 95.5E 23.1H 95.6E 0.0 100 N H 19910550 055037 142 213 BURNA IRRAAADDY, AT YERNAYONY, R. 20.7H 94.6E 22.8H 95.6E 0.0 100 N H 19910550 05504 142 214 BURNA IRRAAADDY, AT YERNAYONY, R. 20.7H 94.6E 22.8H 95.6E 0.0 100 N H 19910550 05504 142 215 BURNA HOUTH MIN CHAUNG R. AREA 19.8H 93.6E 21.3H 95.7E 0.0 100 N H 19910550 055101 142 215 BURNA HOUTH MIN CHAUNG R. AREA 19.8H 93.6E 21.3H 97.7E 0.0 100 N H 19910550 055101 142 223 BURNA HOUTH MIN CHAUNG R. AREA 19.8H 93.6E 20.3H 97.7E 0.0 100 N H 19910550 055121 142 223 BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA ARAKAN YOMA MINS. BURNA MOUTH OF IRRAAADDY R. 15.0H 95.0E 20.8H 97.7E 00.0 100 N H 19910550 055121 142 223 BURNA ARAKAN YOMA MINS. BURNA ARAGOON AREA BURNA ARAGOON AREA BURNA ARAGOON AREA BURNA ARAGOON AREA BURNA ARAGOON AREA BURNA ARAGOON ARAGO	9.4	70	BURMA		23.0N	4.3E 24	95.	ш			N 19	91050	065029	4	211	70	111
72 BURRAA CHINWIN R. YALLEY NW. 22.4M 94.7E 23.7M 95.4E 80.10.100 N 19910505 065.037 14.2 21.3 80.8E 10.100 N 19910505 065.037 14.2 21.3 80.8E 10.100 N 19910505 065.04 14.2 21.3 80.8E 10.100 N 19910505 065.04 14.2 21.2 18.2 18.2 21.3 96.8E 10.100 N 19910505 065.04 14.2 21.2 18.2	94	71	BURMA	~		4.4E 2	98 95					910505	065033	1	2	70	111
73 BURMA CHINMIN R.VALLEY, WW 22.3H 94.8E 23.5H 95.6E 70 L0 100 N N 19910505 055040 142 21.3 75 BURMA IRRAWADDY, AT CHAUK 22.3H 95.6E 10 L0 100 N N 19910505 055041 142 21.4 75 BURMA IRRAWADDY, AT CHAUK 20.7N 94.6E 22.3H 96.1E 10 L0 100 N N 19910505 055121 42 21.8 75 BURMA IRRAWADDY, AT CHAUK 20.7N 94.6E 22.3H 96.1E 10.00 N N 19910505 055121 42 21.8 76 BURMA IRRAWADDY, AT MAGME 20.7N 94.6E 21.3H 97.2E 0.0 100 N N 19910505 055121 42 22.3H 80 BURMA RARKAR YORA MINS. 98.6E 20.10 100 N N 19910505 055121 42 22.2 81 BURMA ARKAKAN YORA MINS. 19.0N 95.0E 20.6 N 97.6E 0.0 100 N N 19910505 055121 42 22.2 85 BURMA ARKAKAN YORA MINS. 19.0N 95.0E 20.6 N 97.6E 0.0 100 N N 19910505 055121 42 22.2 86 BURMA ARKAKAN YORA MINS. 19.0N 95.0E 20.6 N 97.6E 0.0 100 N N 19910505 05512 42	94	72	BURMA	~		4.7E 23	7N 95					910505	065037	,		70	111
74 BIRMA NR. JCTW CHINDMIN/IRRADY 21.8N 95.EE 23.1N 95.BE 0.0 10.0 N I 199110505 06.6047 142 21.8 76 BURMA IRRAMADDY, AT VERMACYUNG 20.3N 94.5E 22.3N 96.4E 10.0 0.0 N I 199110505 06.6050 142 21.8 76 BURMA IRRAMADDY, AT VERMACYUNG 20.3N 94.5E 22.3N 96.4E 10.0 0.0 N I 199110505 06.65110 142 21.8 79 BURMA MOUTH MIN CHAUNG R. AREA 19.8N 33.E 21.3N 97.1E 0.0 10.0 N I 199110505 06.65121 142 22.2 81 BURMA MOUTH MIN CHAUNG R. AREA 19.8N 33.TE 21.1N 97.4E 90.L0 10.0 N I 199110505 06.5121 142 22.2 81 BURMA ARRAKAN YORM MINS. 19.0N 95.CE 20.6N 97.EE GO LO 100 N N 19910505 06.5124 142 22.2 82 BURMA ARRAKAN YORM MINS. 19.0N 95.CE 20.6N 97.EE GO LO 100 N N 19910505 06.5212 142 22.2 85 BURMA ARRAKAN YORM MINS. 19.5N	94	73	BURMA	<u>~</u>	22.3N	4.8E 23	58 NS					910505	065040			70	111
75 BURNA IRRAMADDY, AT CRAUK 20.7N 94.6E 22.8N 66.1E 10.100 N N 199910505 665054 14.2 218 76 BURNA IRRAMADDY, AT TERNAKCYUNG 20.7N 94.6E 22.8N 96.7E 10.100 N N 199910505 665102 14.2 218 78 BURNA IRRAMADDY, AT TERNAKCYUNG 20.2N 94.6E 22.3N 97.1E 10.100 N N 199910505 665102 14.2 21.2 78 BURNA MOUTH MIN CHAUNG R. AREA 19.8N 93.7E 11.0 97.6E 60.100 N N 19910505 665121 14.2 22.3 81 BURNA CHEDUBA STRATT AREA 19.0N 93.0E 20.6N 97.6E 60.10 100 N N 19910505 665123 14.2 22.3 82 BURNA ARAKAN YOMA MINS. 19.0N 97.6E 60.10 100 N N 19910505 665126 12.2 85 BURNA ARAKAN YOMA MINS.	94	74	BURMA	CHINDWIN/IR		.2E 2	95.				-	910505	065047			70	111
76 BURNA IRRAWADDY, AT YERNAGYAUNG 20.3N 94.5E 22.3N 96.4E 10 LO 100 N N 19910505 055102 142 219 78 BURNA IRRAWADDY, AT MAGWER 19.8N 94.8E 21.3N 96.7E 30 LO 100 N N 19910505 055102 142 219 78 BURNA MOUTH MIN CHAUNG R. AREA 19.8N 93.7E 21.3N 97.7E 0L0 100 N N 19910505 055124 142 223 80 BURNA PRAMEE ISLAND 19.2N 93.7E 21.1N 97.2E 0L0 100 N N 19910505 055124 142 223 81 BURNA CHEDUBA STAAIT AREA 19.0N 93.0E 20.9N 97.4E 00.100 N N 19910505 055123 142 223 82 BURNA ARAKAN YOMA MINS. 19.0N 95.0E 20.4N 97.7E 00.100 N N 19910505 055124 142 225 84 BURNA ARAKAN YOMA MINS. 19.0N 95.0E 20.4N 97.7E 00.100 N N 19910505 055124 142 225 85 BURNA ARAKAN YOMA MINS. 19.5N 95.0E 20.4N 97.7E 00.100 N N 19910505 05514 142 23 86 BURNA ARAKAN YOMA MINS. 19.5N 95.0E 20.4N 97.7E 00.100 N N 19910505 05514 142 23 86 BURNA ARAKAN YOMA MINS. 18.5N 95.0E 20.1N 97.7E 00.100 N N 19910505 055126 142 23 87 BURNA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 00.100 N N 19910505 05527 142 23 89 BURNA AREA S. MOULMEIN 10.0N 99.0E 0.100 N N 19910505 05527 142 23 91	94	75	BURMA	AT.	20.7N	.6E 2	96				-	1910505	Ω			7.1	111
77 BURNA Inrahaddoy AT Magwe 19.8 94.8E 21.9 96.7E 30.L0 10.0 N 19910505 065110 14.2 21.2 79 BURNA MOUTH MIN CHAUNG R. AREA 19.8N 93.EE 21.3N 97.2E 0.L0 10.0 N 19910505 065120 14.2 22.3 80 BURNA MOUTH MIN CHAUNG R. AREA 19.8N 93.EE 20.3N 97.2E 0.L0 10.0 N 19910505 065120 14.2 22.3 81 BURNA ARAKAN YOMA MINS. 19.0N 94.0E 20.8N 97.5E 60.L0 10.0N N 19910505 065128 14.2 22.3 81 BURNA ARAKAN YOMA MINS. 19.6N 95.0E 20.6N 97.5E 60.L0 10.0N N 19910505 065128 14.2 22.3 85 BURNA ARAKAN YOMA MINS. 18.5N 94.7E 19.9N 97.EE 60.L0 10.0N N 19910505 065128 12.2 2	94	9/	BURMA	AT YENANGY		.5E 2	3N 96.				-	910505	065102	-		7.1	111
BURNA HOUTH MIN CHAUNG R. AREA 19.8N 93.5E 21.3N 97.1E 70 L0 100 N N 19910505 065121 142 222 BURNA HOUTH MIN CHAUNG R. AREA 19.8N 93.7E 21.1N 97.2E 00 L0 100 N N 19910505 065121 142 222	94	11	BURMA	, AT	19.8N	.8E 2	96 N6				-	910505	065110			7.1	111
BURMA MOUTH MIN CHAUNG R. AREA 19.8N 93.7E 21.1N 97.2E 80 L0 100 N N 19910505 065124 142 223	94	78	BURMA	CHAUNG R.	19.	.5E 2	97				-	910505	065121		22	7.1	111
80 BURMA RAWREE ISLAND 19.2N 93.8E 20.9N 97.4E 90. LO 100. N N 19910505 065130 142 223 81 BURMA CHEDUBA STRAIT AREA 19.0N 94.0E 20.8N 97.5E 60. LO 100. N N 19910505 065137 142 224 82 BURMA ARAKAN YOMA MINS. 19.0N 95.0E 20.6N 97.7E 60. LO 100. N N 19910505 065137 142 225 84 BURMA ARAKAN YOMA MINS. 19.5N 94.7E 20. LO 00. N N 19910505 065137 142 225 85 BURMA AREA W. HENZADA 17.8N 95.0E 18.5N 99.0E 60. LO 100. N N 19910505 065212 142 231 86 BURMA MOUTH OF IRRAWADOY R. 16.0N 95.0E 18.5N 99.1E 0.0 100. N N 19910505 065212 142 234 <t< th=""><th>94</th><th>79</th><th>BURMA</th><th>CHAUNG R.</th><th>19.</th><th>.7E 2</th><th>97.</th><th>ш</th><th></th><th></th><th>7</th><th>910505</th><th>512</th><th>_</th><th>22</th><th>7.1</th><th>111</th></t<>	94	79	BURMA	CHAUNG R.	19.	.7E 2	97.	ш			7	910505	512	_	22	7.1	111
81 BURMA CHEDUBA STRAIT ARE 19.0N 94.0E 20.6N 97.5E 60 LO 100 N 19910505 065133 142 224 82 BURMA ARAKAN YOMA MINS. 19.0N 95.0E 20.4N 97.5E 60 LO 100 N 19910505 065137 142 225 84 BURMA ARAKAN YOMA MINS. 19.5N 94.7E 19.0N 97.9E 10 100 N 19910505 065142 142 225 85 BURMA AREA W. HENZADA 118.5N 94.7E 19.0N 98.1E 60 LO 100 N 19910505 065142 142 23 8 BURMA MOUTH OF IRRAMADDY R. 16.0N 95.0E 18.5N 99.1E 60 LO 100 N 19910505 065212 142 23 89 BURMA AREA S. MOUTH OF IRRAMADDY R. 16.0N 96.0E 17.8N 99.1E 60 10.0D	46	80	BURMA		•	3.8E 2	97.	w			1	910505	512		22	7.1	111
82 BURMA ARAKAN YOMA MTNS. 19.0N 95.0E 20.6N 97.6E 60 L0 100 N N 19910505 065133 142 225 83 BURMA ARAKAN YOMA MTNS. 19.0N 95.0E 20.4N 97.6E 60 L0 100 N N 19910505 065137 142 225 84 BURMA ARAKAN YOMA MTNS. 19.0N 95.0E 20.4N 97.6E 0.10 0N N 19910505 065134 142 22 85 BURMA ARKAN YOMA MTNS. 18.5N 94.7E 19.9N 98.1E 60 L0 100 N N 19910505 065202 142 23 86 BURMA AREA W. HENADA 17.8N 95.0E 18.5N 99.0E 80 L0 100 N N 19910505 065212 142 23 87 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 70 L0 100 N N 19910505 065212 142 23 89 BURMA RANGOON AREA 16.0N 95.0E 18.2N 99.2E 60 L0 100 N N 19910505 065224 142 23 90 BURMA RANGOON AREA 17.5N 96.0E 17.2N 99.4E 50 L0 100 N N 19910505 065224 142 23 91 BURMA AREA S. MOULMEIN 16.0N 97.0E 17.3N 99.4E 50 L0 100 N N 19910505 065224 142 23 92 BURMA AREA S. MOULMEIN 16.0N 97.0E 17.2N 99.4E 50 L0 100 N N 19910505 065226 142 23<	94	81	BURMA	STRAIT ARE		4 . 0E	9N 97.	LEA			_	910505	065130		22	7.1	111
83 BURMA ARAKAN YOMA MTNS. 19.0N 95.0E 20.4N 97.7E 60 100 N 19910505 065137 142 227 84 BURMA ARAKAN YOMA MTNS. 19.0N 94.6E 20.1N 97.7E 60 100 N 19910505 065142 142 227 85 BURMA AREA W. HENZADA 17.8N 94.6E 20.1N 97.7E 60 100 N 19910505 065121 142 227 86 BURMA AREA W. HENZADADY 16.0N 95.0E 18.3N 99.0E 80 10 10 N 19910505 065212 142 227 88 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 70 10 N 19910505 065213 142 23 90 BURMA AREA S. NOULH 16.0N 95.0E 17.8N 99.1E 60 10 10 N 19910505 065212	94	82	BURMA	2	NO 61	5 OF 2	7 P. N.S	ш			•	9010505	065133			7.1	11
84 BURMA ARAKAN YOMA MTNS. 19.5N 94.6E 20.1N 97.9E 70 L0 100 N N 19910505 065145 142 227 85 BURMA AREA W. HENZADA 17.8N 94.7E 19.9N 98.1E 60 L0 100 N N 19910505 06514 12 227 86 BURMA AREA W. HENZADA 17.8N 95.2E 19.1N 98.6E 50 L0 100 N N 19910505 065215 142 231 87 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 70 L0 100 N N 19910505 065215 142 234 89 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.2N 99.1E 70 L0 100 N N 19910505 065224 142 234 90 BURMA RANGOON AREA 17.0N 96.0E 17.7N 99.2E 60 L0 100 N N 19910505 065230 142 237 91 BURMA AREA S. MOULMEIN 16.0N 97.6E 17.2N 99.7E 50 L0 100 N N 19910505 065230 142 237 95 BURMA AREA S. MOULMEIN 16.0N 97.6E 17.2N 99.9E 60 L0 100 N N 19910505 065236 142 243 95 BURMA VIEW TOWARDS RANGOON	94	83	BURMA		NO 61	5.0E 2					٠,	910505	065137				111
85 BURMA AREA W. HENZADA 18.5N 94.7E 19.9N 98.1E 60 L0 100 N 19910505 06512 142 231 86 BURMA AREA W. HENZADA 17.8N 95.2E 19.1N 98.0E 50 L0 100 N 19910505 065212 142 231 87 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.5N 99.0E 60 L0 100 N 19910505 065215 142 234 89 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 70 L0 100 N 19910505 065224 142 234 80 BURMA RANGOON AREA 16.2N 96.0E 17.8N 99.1E 60 L0 100 N 19910505 065224 142 235 91 BURMA RANGOON AREA 17.0N 96.0E 17.7N 99.6E 50 L0 100 N 19910505 065231 142 237 92 BURMA AREA S. MOULMEIN 16.0N 96.0E 17.7N 99.6E 50 L0 100 N 19910505 065231 142 237 94 BURMA AREA S. MOULMEIN 16.0N 96.0E 17.2N 99.7E 70 L0 100 N N 19910505 065236 142 243 95 BURMA VIEW TOWARDS TAVOY 14.7N 96.5E 16.0N <	94	84	BURMA		-	6E					-	910505	065142			7.1	111
86 BURMA AREA W. HENZADA 17.8N 95.2E 19.1N 98.6E 50 LO 100 N N 19910505 065202 142 231 87 BURMA MOUTH OF IRRAMADDY R. 16.0N 95.0E 18.5N 99.0E 80 LO 100 N N 19910505 065212 142 233 88 BURMA MOUTH OF IRRAMADDY R. 16.0N 95.0E 18.3N 99.1E 70 LO 100 N N 19910505 065212 142 234 89 BURMA MOUTH OF IRRAMADDY R. 16.2N 95.5E 18.2N 99.2E 60 LO 100 N 19910505 065224 142 236 91 BURMA RANGGON AREA 17.0N 96.0E 17.7N 99.6E 50 LO 100 N 19910505 065224 142 237 92 BURMA AREA S. MOULMEIN 16.0N 96.0E 17.7N 99.6E 50 LO 100 N 19910505 065224 142 237 95 BURMA AREA S. MOULMEIN 16.0N 98.0E 16.0N 10.00 N 19910505 065224 142 240 95 BURMA VIEW TOWARDS RANGOON 17.5N 96.2E 17.5N 99.C LO 10	94	85	BURMA	ARAKAN YOMA MINS.	18.5N	. 7E						910505	065146			7.1	111
87 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.5N 99.0E 80 LO 100 N N 19910505 065212 142 234 88 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 70 LO 100 N N 19910505 065215 142 234 89 BURMA RANGOON AREA 16.7N 96.0E 17.8N 99.4E 60 LO 100 N N 19910505 065224 142 236 91 BURMA RANGOON AREA 17.5N 96.0E 17.7N 99.6E 50 LO 100 N N 19910505 065234 142 236 93 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.7E 70 LO 100 N N 19910505 065236 142 239 94 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.9E 60 LO 100 N N 19910505 065236 142 249 95 BURMA VIEW TOWARDS TAVOY 16.5N 96.5E 16.0N 10.0N </th <th>94</th> <th>86</th> <th>BURMA</th> <th>Ξ</th> <th>17.8N</th> <th>.2E 19</th> <th>1N 98</th> <th></th> <th></th> <th></th> <th>-</th> <th>910505</th> <th>\sim</th> <th>7</th> <th>231</th> <th>7.1</th> <th>111</th>	94	86	BURMA	Ξ	17.8N	.2E 19	1N 98				-	910505	\sim	7	231	7.1	111
88 BURMA MOUTH OF IRRAWADDY R. 16.0N 95.0E 18.3N 99.1E 70 L0 100 N 19910505 065215 142 234 89 BURMA MOUTH OF IRRAWADDY R. 16.2N 95.5E 18.2N 99.2E 60 L0 100 N 19910505 065218 142 235 90 BURMA RANGOON AREA 17.0N 96.0E 17.7N 99.6E 50 L0 100 N 19910505 065221 142 237 91 BURMA AREA S. MOULMEIN 16.0N 96.0E 17.7N 99.7E 70 L0 100 N 19910505 065230 142 237 94 BURMA AREA S. MOULMEIN 16.0N 98.0E 17.2N 99.9E 60 L0 100 N 19910505 06528 142 240 95 BURMA AREA S. MOULMEIN 16.0N 98.0E 16.8N 100.1E 80 L0 100 N 19910505 06528 142 243 96 BURMA VIEW TOWARDS RANGOON 17.5N 98.0E 16.0N 100.9E 90 L0 100 N 19910505 06528 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 101.2E 90 L0 100 N 19910430 085706 138 273 47 BURMA IRRAWADDY RIVER DELTA 16.0N 97.0E 17.5N 96.7E 30 L0 100 N	94	87	BURMA		16.0N	.0E 18	5N 99					91	\sim			7.1	111
89 BURMA MOUTH OF IRRAWADDY R. 16.2N 95.5E 18.2N 99.2E 60 LO 100 N N 19910505 06524 142 236 90 BURMA RANGOON AREA 16.7N 96.0E 17.7N 99.6E 50 LO 100 N N 19910505 065224 142 237 91 BURMA RANGOON AREA 17.5N 96.0E 17.7N 99.6E 50 LO 100 N N 19910505 065230 142 237 92 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.7E 70 LO 100 N N 19910505 065236 142 239 94 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.9E 60 LO 100 N N 19910505 065242 142 240 95 BURMA AREA S. MOULMEIN 16.5N 96.5E 16.0N 100 N N 19910505 065268 142 243 95 BURMA VIEW TOWARDS RANGON 17.5N 96.5E 15.0N 10.0 N 19910430	94	88	BURMA			.0E 1	66					91050	065215			7.1	111
90 BURMA RANGOON AREA 16.7N 96.0E 17.8N 99.4E 50 LO 100 N 19910505 065224 142 237 91 BURMA RANGOON AREA 17.0N 96.0E 17.7N 99.6E 50 LO 100 N 19910505 065227 142 237 92 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.7E 70 100 N 19910505 065227 142 237 94 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.9E 60 LO 100 N 19910505 065224 142 239 95 BURMA AREA S. MOULMEIN 16.0N 97.0E 16.0N 100.0 N 19910505 065228 142 240 95 BURMA VIEW TOWARDS RANGOON 17.5N 96.5E 16.0N 10.100 N 19910505 065315 141 245 97	94	83	BURMA	IRRAWADDY	-	.5E 1	66					9105	065218	7	235	7.1	111
91 BURMA RANGOON AREA 17.0N 96.0E 17.7N 99.6E 50 LO 100 N 19910505 065227 142 237 92 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.5N 99.7E 70 LO 100 N 19910505 065236 142 237 94 BURMA AREA S. MOULMEIN 16.0N 98.0E 16.0N 100 N 19910505 065236 142 239 95 BURMA MOUTH RANGOON RIVEN 16.5N 96.5E 16.0N 100 N 19910505 065236 142 243 96 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 10.100 N 19910505 065315 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 10.100 N 19910430 085706 138 273 26 C	4	06	BURMA	RANGOON AREA	•	6.0E 1	99	ш			N 19	9105	525	14	236	7.1	111
92 BURMA AREA S. MOULMEIN 17.5N 96.2E 17.5N 99.7E 70 10 10 N 19910505 065236 142 237 93 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.9E 60 L0 100 N 19910505 065242 142 239 94 BURMA AREA S. MOULMEIN 16.0N 98.0E 16.8N 100.1E 80 L0 100 N 19910505 065242 142 240 95 BURMA VIEW TOWARDS RANGOON 17.5N 96.5E 16.0N 100.0F N 19910505 065315 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 10.12E 90 L0 100 N 19910430 085706 138 273 47 BURMA IRRAWADDY RIVER DELTA 16.0N 97.0E 17.1N 96.7E 10 100 N 19910430 085700	94	91	BURMA	⋖	•	. 0E 1	66				19	910505	065227	14	237	7.1	111
93 BURMA AREA S. MOULMEIN 16.0N 97.8E 17.2N 99.9E 60 LO 100 N 19910505 065242 142 239 94 BURMA AREA S. MOULMEIN 16.0N 98.0E 16.8N 100.1E 80 LO 100 N 19910505 065242 142 240 95 BURMA VIEW TOWARDS RANGOON 17.5N 96.5E 16.0N 100.7E 80 LO 100 N 19910505 065315 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 101.2E 90 LO 100 N 19910505 065315 141 247 47 BURMA IRRAWADDY RIVER DELTA 16.0N 97.0E 17.1N 96.9E 35 LO 100 N 19910430 085700 137 275 26 CAMEROON SW VIEW, LARGE STORM 16.0N 97.0E 17.5N 96.7E 10.0O N	94	92	BURMA	⋖		. 2E 17	5N 99					910505	065230			7.1	111
94 BURMA AREA S. MOULMEIN 16.0N 98.0E 16.8N 100.1E 80 LO 100 N 19910505 065242 142 243 95 BURMA VIEW TOWARDS RANGOON 17.5N 96.5E 16.0N 100.7E 80 LO 100 N 19910505 065328 142 243 96 BURMA VIEW TOWARDS RANGOON 17.5N 96.5E 15.6N 100.1C N 19910505 065315 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 101.2E 90 LO 100 N 19910505 065315 141 247 47 BURMA IRRAWADDY RIVER DELTA 16.0N 95.0E 17.1N 96.9E 35 LO 100 N 19910430 085706 138 273 26 CAMEROON SW VIEW, LARGE STORM 16.0N 97.0E 17.5N 96.7E 10.0D N 19910429 150447 <	94	93	BURMA	Σ	16.0N	.8E 17	2N	_			-	910505	065236			7.1	111
95 BURMA VIEW TOWARDS RANGOON RIVER 16.5N 96.5E 16.0N 100.7E 80 LO 100 N N 19910505 065258 142 243 96 BURMA VIEW TOWARDS RANGOON 17.5N 95.5E 15.6N 100.9E 90 LO 100 N N 19910505 065315 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 101.2E 90 LO 100 N N 19910505 065315 141 247 47 BURMA 16.0N 95.0E 17.1N 96.9E 35 LO 250 N N 19910430 085706 138 273 29 BURMA GULF OF MARTABAN 16.0N 97.0E 17.5N 96.7E 30 LO 100 N N 19910430 085700 137 275 26 CAMEROON SW VIEW, LARGE STORM 8.8N 15.0E 100 HO 250 N N 19910429 150447 138 281	94	94	BUKMA	S.	16.0N	.0E 16	8N 1				-	910505	065242			7.1	111
96 BURMA VIEW TOWARDS RANGOON 17.5N 95.5E 15.6N 100.9E 90 LO 100 N 19910505 065315 141 245 97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 101.2E 90 LO 100 N 19910505 065315 141 247 47 BURMA IRRAWADDY RIVER DELTA 16.0N 95.0E 17.1N 96.9E 35 LO 250 N 19910430 085706 133 273 29 BURMA GULF OF MARTABAN 16.0N 97.0E 17.5N 96.7E 30 LO 100 N 19910430 085700 137 275 26 CAMEROON SW VIEW, LARGE STORM 8.8N 15.0E 100 HO 250 N 19910429 150447 138 281	94	95	BURMA	MOUTH RANGOON RIVER	16.5N	. 5E					_	910505	065258			7.1	111
97 BURMA VIEW TOWARDS TAVOY 14.7N 98.0E 15.0N 101.2E 90 LO 100 N 19910505 065315 141 247 47 BURMA IRRAWADDY RIVER DELTA 16.0N 95.0E 17.1N 96.9E 35 LO 250 N 19910430 085706 138 273 29 BURMA GULF OF MARTABAN 16.0N 97.0E 17.5N 96.7E 30 LO 100 N 19910430 085700 137 275 26 CAMEROON SW VIEW, LARGE STORM 8.8N 15.0E 100 HO 250 N 19910429 150447 138 281	94	96	BURMA		17.5N	. 5E 15	6N 100.			_	_	910505	065305			71	111
47 BURMA IRRAWADDY RIVER DELTA 16.0N 95.0E 17.1N 96.9E 35 LO 250 N 19910430 085706 138 273 29 BURMA GULF OF MARTABAN 16.0N 97.0E 17.5N 96.7E 30 LO 100 N 19910430 085700 137 275 26 CAMEROON SW VIEW, LARGE STORM 8.8N 15.0E 100 HO 250 N N 19910429 150447 138 281	94	97	BURMA	RDS	14.7N	.0E 15	101	Ę.	2			910505	065315			7.1	111
29 BURMA GULF OF MARTABAN 16.0N 97.0E 17.5N 96.7E 30 LO 100 AN 19910430 085700 137 275 26 CAMEROON SW VIEW, LARGE STORM 8.8N 15.0E 100 HO 250 N 19910429 150447 138 281	151	47	BURMA	DELT	16.0N	.0E 17	96		r0		-	910430	085706	13	273	4	32
26 CAMEROON SW VIEW, LARGE STORM 8.8N 15.0E 100 HO 250 N N 19910429 150447 138 2	603	59	BURMA	GULF OF MARTABAN		. 0E	96			_	-	910430	085700	13	275	41	
	83	56	CAMEROON	ARGE		80	15.	_	1	2	N 19	91042	150447	138	281	59	20

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

33 33333 33333					CENTER	NADIR	IR						SUN	 	
22 CAMADA AREA NORTH LINGON-STATI 44.3N 86.3K 20 HG 250 N Y 19910428 131308 144 85 32 CAMADA AREA NORTH LINGON-STATI 44.3N 86.3K 20 HG 250 N Y 19910428 131310 144 85 32 CAMADA AREA NO FL.HURION-STATI 44.3N 86.3K 20 HG 250 N Y 19910428 131310 144 86 20	_	2	GEOGRAPHIC NAME		LAT LON	LAT			တ	DATE	EM I	A	AZ	ᆈ	<u>چ</u>
CAMADA AREA N OF L. HURDON-S TAIL 44.2N 86.3W 2 0.0 H 0.250 N Y 19910428 131318 144 68		53	CANADA	NORTH OF L. HUR		44.0N	86.6W		>	9910428	131306		92	52	က
31 CAMADA AREA NO F. L.HINBON-S 7A11 44.3 N 8.3 E. 20 DO 26 N Y 19910428 131313 144 65 34 CAMADA AREA NO F. L.HINBON-S 7A11 44.3 N 8.3 E. 20 DO 26 N Y 19910428 131313 144 65 34 CAMADA AREA NO F. L.HINBON-S 7A11 44.5 N 8.3 E. 20 DO 26 N Y 19910428 131313 144 65 34 CAMADA AREA NO F. L.HINBON-S 7A11 44.5 N 8.3 E. 20 DO 26 N Y 19910428 131313 144 65 34 CAMADA CAMADA ROCKIES 5.0 N 123 ON 35 CAMADA CLOUDS 36 CAMADA CLOUDS 37 CAMADA CLOUDS 38 CAMADA CLOUDS 38 CAMADA CLOUDS 39 CAMADA CLOUDS 30 CAMADA CLOUDS 30 CAMADA CLOUDS 30 CAMADA CLOUDS 30 CAMADA CLOUDS 31 CAMADA CLOUDS 31 CAMADA CLOUDS 32 CAMADA CLOUDS 32 CAMADA CLOUDS 34 CAMADA CLOUDS 35 CAMADA CLOUDS 36 CAMADA CLOUDS 36 CAMADA CLOUDS 36 CAMADA CLU OF ST. LAMERICE 49.3N 8.2 W 10.0 LO 26 ON N 19910506 153102 147 117 31 CAMADA CLOUDS 32 CAMADA CLU OF ST. LAMERICE 49.3N 8.2 W 4.2 N 6.2 W 10.2 SO N N 19910506 153102 147 117 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.2 W 4.2 N 6.2 W 10.2 SO N N 19910506 153102 145 145 32 CAMADA CLU OF ST. LAMERICE 49.3N 8.2 W 4.2 N 6.2 W 10.2 SO N N 19910506 153102 145 145 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.2 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 146 32 CAMADA CLU OF ST. LAMERICE 49.3N 8.2 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 146 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 146 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 147 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 147 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 146 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 145 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 145 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 SO N N 19910506 153207 145 145 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 N N 19910506 153207 145 145 31 CAMADA CLU OF ST. LAMERICE 49.3N 8.0 W 4.2 N 6.2 W 10.2 N 0.3 N 19910506 153207 145 1		30	CANADA	N OF L.HURON-S		44.1N		250		9910428	131308		92	52	ო
22 CAMADA AREA N OF L-HINBON-S 7A11		31	CANADA	N OF L.HURON-S		44.2N	86.3W	250		9910428	131310	144	95	52	က
33 CAMADA AREA NO DE L'HUBRONES TAIL 44.5 NO 86.1 NO 1990 LOSA 1311011 144 65 6 CAMADA CAMADA AREA NO DE L'HUBRONES TAIL 44.5 NO 8.5 NO 1990 LOSA NY 19910428 113110 144 65 7 CAMADA COMMOTING WY TO MANITCOMGAN 50.1 NO 0.0 NY 19910428 113110 144 209 7 CAMADA COMMOTING WY TO MANITCOMGAN 50.1 NO 0.0 NY 19910428 113110 144 209 7 CAMADA COMMOTING WY TO MANITCOMGAN 50.0 NY 19910428 113110 144 209 7 CAMADA COMMOTING WY TO MANITCOMGAN 50.0 NY 19910428 113110 144 209 7 CAMADA COLOUDS COMMOTING WY TO MANITCOMGAN 50.0 NY 19910428 113110 144 209 7 CAMADA COLOUDS COMMOTING WY TO MANITCOMGAN 50.0 NY 19910428 113110 144 209 7 CAMADA COLOUDS COMMOTING WY TO MANITCOMGAN 50.0 NY 19910428 113110 144 101 7 CAMADA COLUC DE ST.LAMERICE 48.3 N 50.0 NY 100 LO 250 N N 19910506 153102 147 117 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 50.0 M 44.2 N 60.2 N 10910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 50.0 M 44.2 N 60.2 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.2 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153104 145 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 44.2 N 60.0 N N 19910506 153207 145 149 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 10 N N 19910430 131101 138 89 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 10 N N 19910430 131101 138 89 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 10 N N 19910430 131101 138 89 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 10 N N 19910430 131101 138 89 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 10 N N 19910430 131101 134 145 7 CAMADA COLUC DE ST.LAMERICE 49.0 N 60.0 M 10 N N 19910430		32	CANADA	N OF L. HURON-S		44.3N	86.2W		>-	9910428	131312	144	95	56	က
Accordance		33	CANADA	N OF L. HURON-S		44.3N	86.1W	_	>	9910428	131313	144	95	92	က
6 CAMADA LOOKING W TO MANICOLAGAN 52.3N 50.5M 125.0N 47 CAMADA 48.2M 25 60.0 N Y 19910428 162654 144 208 48. CAMADA COMUNIN MOCKIES 55.0N 123.09 66.0N 0 Y 19910428 162651 144 208 67. CAMADA CLOUDS 65.0N 123.09 67. CAMADA CLOUDS 65.0N 123.09 67. CAMADA CLOUDS 65.0N 123.09 67. CAMADA CLOUDS 67. CAMADA		34	CANADA	N OF L.HURON-S		44.5N	M6.38	_	>	9910428	131316	144	95	56	ო
7 CAMADA CAMADIAN ROCKIES 56.0N 123.0W 7 0 LO 250 LN N 19910426 152102 147 117 CAMADA CLOUDS CAMADIAN ROCKIES 56.0N 122.0W 8 W 100 LO 250 LN N 19910606 153102 147 117 117 CAMADA CLOUDS CAMADA CLOUDS 56.0N 123.0W 80.7M 100 LO 250 N N 19910606 153121 146 119 119 110 CAMADA CLOUDS 56.0N 100 LO 250 N N 19910606 153121 146 119 119 110 CAMADA CLOUDS 56.0M 50.7M 45.9N 80.7M 100 LO 250 N N 19910606 153121 146 119 119 110 CAMADA CLOUDS 56.0M 50.7M 45.9N 80.7M 100 LO 250 N N 19910606 153121 146 119 119 110 CAMADA CLOUDS 56.0M 50.7M 45.9N 80.7M 100 LO 250 N N 19910606 153121 146 119 119 110 CAMADA CLOUDS 57.1.AMRENCE 48.5N 80.7M 45.9N 80.7M 100 LO 250 N N 19910606 153121 146 119 119 110 CAMADA CLOUDS 57.1.AMRENCE 48.5N 80.7M 45.9N 80.7M 100 LO 250 N N 19910606 153801 146 145 147 117 110 CAMADA CLOUDS 57.1.AMRENCE 49.5N 80.7M 45.9N 80.7M 100 LO 250 N N 19910606 153801 146 147 117 110 CAMADA CLOUDS 57.1.AMRENCE 49.5N 80.7M 45.9N 80.7M 100 LO 250 N N 19910606 153801 146 147 147 147 147 147 147 147 147 147 147	75	9	CANADA	ING W TO MANICOL		52.3N	90.5W	_		9910428	162554	145	205	49	ۍ
49 CAMADA CANADIAM ROCKIES 56.0N 123.0W 0 10.0 260 N N 19910506 153102 147 117 CAMADA CLOUDS CONTROL CANADIAM CLOUDS 55.0N 12.0M 100 10.250 N N 19910506 153106 147 117 CAMADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLOUDS CONTROL CANADA CLUC CANADA CLUC CONTROL CANADA CLUC CANADA	75	7	CANADA	3		51.5N	~			9910428	162619	144	209	49	တ
46 CAMADA CLOUDS		47	CANADA	ANR	5.0N	-			_						
CAMADA CLOUDS 65.0N 93.4W 100 LO 250 N N 19910566 15310E 147 117 117 CAMADA CLOUDS		48	CANADA	AN ROCKIES		-			_						
1 CANADA CLOUDS 2 CANADA CLOUDS 3 CANADA CLOUDS 3 CANADA CLOUDS 4 CONDOS 5 CANADA CLOUDS 5 CANADA CLOUDS 5 CANADA CLOUDS 5 CANADA CLUCOS 5 CANADA CLUCOS 5 CANADA CLUCOS 5 CANADA CLUCOS 5 CANADA CLUC		OA	CANADA	CLOUDS			₩.	250	Z 1	9910506	153102	147	117		133
2 CANADA 2 CANADA 3 CANADA 3 CANADA 4 CLUUS 5 CANADA 5 CANADA 5 CANADA 5 CLUUS 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CANADA 5 CANADA 5 CANADA 5 CANADA 5 CLU F OF ST.LAMERNCE 5 CANADA 5 CANADA 5 CANADA 5 CANADA 5 CANADA 5 CANADA 6 CLU F OF ST.LAMERNCE 5 CANADA 6 CLU F OF ST.LAMERNCE 6 S.F. M. S9.SW 44.NB 66.DW 7 CLU SS. N. N. 19910506 153620 145. 149. 149. 149. 140. 140. 140. 140. 140. 140. 140. 140	86	-	CANADA	SCHOOL		55.0N	9		z	9910506	153106	147	117		133
24 CAMADA GULF OF ST.LAMERNEE 48.0N 82.0W 44.5N 86.2W 5.0Z 0N N 19910506 153801 146 119 110 CAMADA GULF OF ST.LAMERNEE 48.5N 86.2W 44.5N 86.2W 5.0Z 0N N 19910506 153801 145 145 147 148 148 148 148 148 148 148 148 148 148		7	CANADA	CLOUDS		54.6N			z	9910506	153124	146	119		133
28 CAMADA GULF OF ST.LAWRENCE 48.0N 63.0W 45.5N 68.2W 0 LO 250 N N 19910506 153647 145 145 145 247 CAMADA GULF OF ST.LAWRENCE 48.5N 60.0W 44.9N 65.2W 0 LO 250 N N 19910506 153801 145 147 248 CAMADA GULF OF ST.LAWRENCE 49.0N 56.0W 44.9N 66.9W 5 LO 250 N N 19910506 153801 145 149 149 144.0N 66.9W 5 LO 250 N N 19910506 153801 145 149 149 144.0N 66.9W 5 LO 250 N N 19910506 153801 145 149 149 144.0N 66.9W 5 LO 250 N N 19910506 153801 145 149 149 149 144.0N 66.9W 5 LO 250 N N 19910506 153801 145 149 149 144.0N 65.0W 30 LO 250 N N 19910506 153801 145 149 149 144.0N 65.0W 30 LO 250 N N 19910506 153801 145 149 149 144.0N 65.0W 30 LO 250 N N 19910506 153801 145 149 149 144.0N 65.0W 30 LO 250 N N 19910506 153801 145 149 149 144.0N 65.0W 50		m	CANADA	CLOUDS		54.4N			z	9910506	153131	146	119		133
29 CAMADA GULF OF ST.LAWRENCE 48.3N 62.0W 44.9N 67.2W 0 LO 250 N N 19910506 153601 145 147 31 CAMADA GULF OF ST.LAWRENCE 49.0N 86.0W 44.2N 66.2W 5 LO 250 N N 19910506 153601 145 149 32 CAMADA GULF OF ST.LAWRENCE 49.0N 86.0W 44.2N 66.2W 5 LO 250 N N 19910506 153601 145 149 33 CAMADA GULF OF ST.LAWRENCE 49.0N 86.0W 44.2N 66.2W 5 LO 250 N N 19910506 153601 145 149 34 CAMADA GULF OF ST.LAWRENCE 49.0N 86.0W 44.2N 66.2W 5 LO 250 N N 19910506 153601 145 149 35 CAMADA VIEW NORTH UNGAVA BAY 50.0M 86.0W 87.1N 84.2W 75 HO 100 N N 19910506 153600 136 99 36 CAMADA CLOUDS, ICE HUDSON BAY 50.2N 81.6W 45 LO 250 N N 19910501 125600 136 99 37 CAMADA GRAND MANAN IS., JET ST. 45.6N 86.5W 80 HO 100 N N 19910501 125600 136 99 38 CAMADA CRANDA AND ST.LAWR., MATTCOSTIA 48.0N 65.0W 60.3W 30 HO 100 N N 19910430 131300 137 99 39 CAMADA CRANDA AND ST.LAW., MATTCOSTIA 48.0N 65.0W 60.3W 30 HO 100 N N 19910430 131300 137 99 30 CAMADA CRANDA AND ST.LAW., MATTCOSTIA 48.0N 65.0W 60.3W 30 HO 100 N N 19910430 131300 137 99 31 CAMADA CRANDA AND SASKATCHEWAN R. AG. NO 65.0W 60.3W 30 HO 100 N N 19910430 131300 137 99 31 CAMADA CRANDA AND SASKATCHEWAN R. AG. S. S. NO 113.7W 80 LO 250 N N 19910430 131300 137 99 31 CAMADA CRANDA AND SASKATCHEWAN R. AG. S. S. NO 113.7W 80 LO 250 N N 19910429 191031 146 173 31 CAMADA A GRANDA AND SASKATCHEWAN R. AG. S. S. NO 113.2W 80 LO 250 N N 19910429 191031 146 173 31 CAMADA A GRANDA AND SASKATCHEWAN R. AG. S. S. NO 113.0W 80 LO 250 N N 19910429 191031 146 173 31 CAMADA A GRANDA		28	CANADA	OF ST	0N 63	45.	.2W		z	9910506	153547	145	146		133
30 CANADA GULF OF ST.LAMRENCE 48.5N 60.5W 44.7N 66.9W 5 LO 250 N N 19910506 153606 145 147 31 CANADA GULF OF ST.LAMRENCE 49.5N 59.5W 44.2N 66.5W 5 LO 250 N N 19910506 153601 145 149 32 CANADA GULF OF ST.LAMRENCE 49.5N 59.5W 44.2N 65.0W 0.250 N N 19910506 153620 145 149 33 CANADA HIGH PLAINS, AGRICULTURE 49.5N 59.5W 44.2N 65.0W 50.0W 250 N N 19910506 153620 145 149 34 CANADA VIEW NORTH UNGAVA BAY 52.2N 81.6W 45 LO 250 N N 19910501 125600 136 99 35 CANADA CLOUDS, ICE HUDSON BAY 52.2N 81.6W 45 LO 250 N N 19910501 125600 136 99 36 CANADA GRAND MANAN IS., JET ST. 45.6N 65.5W 80 HO 100 N N 19910430 113300 137 99 37 CANADA GRAND MANAN IS., JET ST. 45.6N 65.5W 80 HO 100 N N 19910430 113300 137 99 38 CANADA GRAND MANAN IS., JET ST. 45.6N 65.5W 80 HO 100 N N 19910430 113300 137 99 39 CANADA GRAND MANAN IS., JET ST. 45.6N 65.5W 80 HO 100 N N 19910430 113300 137 99 30 CANADA GRAND MANAN IS., JET ST. 45.6N 65.5W 80 HO 100 N N 19910430 113300 137 99 31 CANADA GRAND MANAN IS., JET ST. 45.6N 65.5W 80 HO 100 N N 19910430 113300 137 99 31 CANADA GRAND MANAN IS., JET ST. 45.6N 65.0W 80 HO 100 N N 19910430 113300 137 99 31 CANADA GRAND MANAN IS., JET ST. 45.6N 65.0W 80 HO 100 N N 19910430 113300 137 99 31 CANADA GRAND MANAN IS., JET ST. 45.6N 65.0W 80 HO 100 N N 19910430 113300 137 99 31 CANADA GRAND MANAN IS., JET ST. 45.6N 85.6N 80 HO 100 N N 19910429 191041 1500 138 99 31 CANADA GRAND MANAN IS., JET ST. 45.0N 85.6W 90 HO 100 N N 19910429 191041 1500 138 99 31 CANADA A AGRA CLOUDS, ON 19010429 1910429 1910429 191041 1500 1300 1300 1300 1300 130 130 100 1300 130 13		53	CANADA	OF ST.LAWRENCE		44	67.2W		z	9910506	153601	145	147		133
31 CAMADA SULF OF ST.LAWRENCE 49.5N 56.0W 44.2N 66.2W 5.LO 250 N N 19910506 153620 145 149 242 CANADA CANADA HIGH PLANS, AGRICULTURE 49.5N 66.0W 57.1N 64.2W 75 HO 100 N 19910506 153620 145 149 CAMADA CLOUDS, ICE HUDSON BAY CAMADA CLOUDS, ICE HUDSON BAY CAMADA CLOUDS, ICE HUDSON BAY CAMADA CAMADA CLOUDS, ICE HUDSON BAY CAMADA CAMADA CLOUDS, ICE HUDSON BAY CAMADA CAMADA CAMADA CAMADA CLOUDS, ICE HUDSON BAY CAMADA		30	CANADA	OF ST.LAWRENCE		44			z	9910506	153606	145	147		133
242 CANADA GULF OF ST.LAWRENCE 49.5N 59.5W 43.0N 66.0W 30 LO 250 N N 19910506 153820 145 149 149 149 149 149 149 149 149 149 149		31	CANADA	OF ST.LAWRENCE		44	66.2W		z	9910506	153617	145	149		133
242 CANADA HIGH PLAINS, AGRICULTURE CANADA CLOUDS, ICE HUDSON BAY CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N 19910429 191613 145 115 CANADA CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N 19910429 191613 145 117 CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 11307428 10550 113300 137 CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 11307429 1916429 191613 145 117 CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 119910429 1916429 191613 145 117 CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 119910429 1916429 191613 145 117 CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 113.7W 80 LO 250 NN 19910429 191613 145 117 CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 119010429 1916429 191613 145 117 CANADA CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 113.7W 80 LO 250 NN 19910429 191613 145 117 CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 56.NN 113.7W 80 LO 250 NN 19910429 191613 145 117 CANADA C		32	CANADA	OF ST.LAWRENCE		44	₩0.99	250	_	9910506	153620	145	149	S	133
CAMADA LIGH PLAINS, AGRICULTURE SO N 66.0W 57.1N 64.2W 75 HO 100 N N 19910429 144500 138 149		33	CANADA	Ð	.5N 59	43.	•	250	_	9910506	153626	145	149	9	133
CANADA CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CANADA CRANDA CRANDA CLOUDS, ICE HUDSON BAY CANADA CRANDA CRA	_	42	CANADA	HIGH BLAINS AGRICULTURE											
CANADA CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CLOUDS, ICE HUDSON BAY CANADA CLOUDS, ICE HUDSON BAY CANADA CRAND MANAN IS., JET ST. CANADA GRAND MANAN IS., JET ST. CANADA GRAND MANAN IS., JET ST. CANADA GRAND MANAN IS., JET ST. CANADA GRAND MANAN IS., JET ST. CANADA GRAND MANAN IS., JET ST. CANADA GRAND MANAN IS., JET ST. CANADA CLOUDS, OUT OF FOCUS ST. LAW., ANITCOSTIA 48.0N 63.0W 50.2N 60.3W 30 HO 100 N N 19910430 113100 137 99 CLOUDS, OUT OF FOCUS ST. CANADA CLOUDS, OUT OF FOCUS CANADA CLOUDS, OUT OF FOCUS CANADA CLOUDS, OUT OF FOCUS ST. CANADA CLOUDS, OUT OF FOC	•		CALADA	VIEW MODIL INCAVA DAY	8	7		 		0010100	144500	-	140	V	0
2. CANADA 2. CANADA 3. CLOUDS, ICE HUDSON BAY 3. CANADA		2 6	\$000 E		5		04. £W		2 2	8310468	126600		P 0		P (
CANADA CA		2.5	CAMPLE	TOE HIDSON		52 2N	8 . T. S.		2	9910501	125600	136	n o	2 6	3 5
1 CANADA GRAND MANAN IS., JET ST. 2 CANADA 2 CANADA 3 CANADA 3 CANADA 4 5.6N 69.5W 80 HO 100 N N 19910430 113100 138 89 9 CANADA 5 CANADA 6 ST. LAW., ANTICOSTIA 48.0N 63.0W 50.2N 60.3W 30 HO 100 N N 19910430 113100 137 99 6 ST. LAW., ANTICOSTIA 48.0N 63.0W 50.2N 60.3W 35 HO 100 N N 19910430 113300 137 99 5 CANADA 5 CANADA 6 CALCARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N 19910429 161017 145 112 5 CANADA-A 7 CALCARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 U N 19910429 161017 145 112 5 CANADA-A 7		; -	CANADA	F PAYLOAD BAY		50.2N	94.0M		2	9910503	123800	134	84	16	82
2 CANADA GRAND MANAN IS., JET ST. 9 CANADA 10 CANADA 110 CANADA 12 CANADA 12 CANADA 13 CANADA 14 ESSER SLAW., ANTICOSTIA 48.0N 63.0W 50.2N 60.3W 30 HO 100 N N 19910430 113300 137 99 100 CANADA 15 CANADA 2 CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N N 19910429 161017 145 112 112 112 112 112 112 112 112 112 11	607	-	CANADA	MANAN IS. JET		45.6N	MS . 69	_	2	9910430	113100	138	80	20	33
9 CANADA CANADA CANADA CANADA CLOUDS, OUT OF FOCUS 52 CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CANADA CALGARY-AG-CLOUDS-S TAIL SIL SN 113.5W 49.7N 112.3W 80 LO 250 U N 19910429 191613 145 173 101 123 1	607	2	CANADA	MANAN IS., JET		45.6N		_	Z	9910430	113100	138	88	20	33
10 CANADA G. ST. LAW., ANTICOSTIA 48.0N 63.0W 50.2N 60.3W 35 HO 100 N N 19910430 113300 137 99 51 CANADA CLOUDS, OUT OF FOCUS 45.0N 82.0W 49.1N 86.6W 75 HO 100 N N 19910430 130200 137 96 52 CANADA-A GAGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N N 19910428 205558 144 215 52 CANADA-A AGR, CLOUDY CANADA-A ATHABASCA R/TOWN, AGR. 53.5N 114.2W 53.4N 115.7W 80 LO 250 U N 19910429 161017 145 115 81 CANADA-A ATHABASCA R/TOWN, AGR. 55.5N 113.5W 55.0N 115.4W 30 LO 250 N N 19910429 191628 145 171 81 CANADA-A ATHABASCA R/TOWN, AGR. 53.5N 113.5W 55.0N 115.0W 40 LO 250 N N 19910429 191628 145 173 82 CANADA-A AGR, 55.0N 113.5W 55.0N 112.5W 55.4N 112.0W 40 LO 250 N N 19910429 191628 145 173 84 CANADA-A AGR, 55.0N 112.5W 55.4N 112.0W 40 LO 250 N N 19910429 191628 145 173 85 CANADA-A AGR, 55.0N 113.5W 55.8N 114.0W 40 LO 250 N N 19910429 191628 145 173 86 CANADA-A AGR, 55.0N 112.5W 55.4N 112.0W 40 LO 250 N N 19910429 191628 145 173 87 CANADA-A AGR, 65.5N 112.5W 55.6N 113.5W 55.6N N 19910429 191628 145 173 88 CANADA-A AGR, 65.5N 113.5W 55.8N 114.0W 40 LO 250 N N 19910429 191628 145 173 89 CANADA-A AGR, 65.0N 115.5W 55.6N 115.5W 55.6N N 110.0W 47.9N 110.9W 20 LO 250 N N 19910429 191628 145 173 80 CANADA-A AGR, 60.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910429 191644 145 173 81 CANADA-A AGR, 60.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910429 191644 145 173 81 CANADA-A AGR, 60.5N 110.0W 47.9N 110.9W 47.9N 110.9W 20 LO 250 N N 19910428 1912204 145 173		6	CANADA	PR. EDWARD I., NOVA SCOT			60.3W	_	z	9910430	113300	137	66	56	33
51 CANADA CANADA CLOUDS, OUT OF FOCUS 45.0N 82.0W 49.1N 85.6W 75 HO 100 N N 19910430 130200 137 96 52 CANADA A GAGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N N 19910428 205558 144 215 53 CANADA-A AGR, CLOUDY AGR, 53.5N 114.2W 53.4N 115.7W 80 LO 250 U N 19910429 161017 145 112 54 CANADA-A AGR, CLOUDY AGR, 55.5N 115.5W 56.4N 118.2W 10 LO 250 U N 19910429 161037 145 115 55 CANADA-A ATHABASCA R/TOWN, AGR, 55.5N 113.5W 56.4N 118.2W 10 LO 250 N N 19910429 191613 145 171 81 CANADA-A ATHABASCA R/TOWN, AGR, 55.5N 113.5W 56.0N 115.4W 30 LO 250 N N 19910429 191626 145 173 82 CANADA-A AGR, 56.5N 112.5W 55.4N 112.0W 40 LO 250 N N 19910429 191626 145 173 84 CANADA-A AGR, 66.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910429 191626 145 173 85 CANADA-A AGR, 66.5N 112.5W 56.5N 112.5W 56.6N N 19910429 191626 145 173 86 CANADA-A AGR, 67.7N 112.5W 56.5N 112.5W 56.0N N 19910429 191626 145 173 87 CANADA-A AGR, 67.7N 112.5W 56.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910429 191626 145 173 88 CANADA-A AGR, 67.7N 112.5W 56.6N N 19910429 191626 145 173 89 CANADA-A AGR, 67.7N 112.5W 56.6N N 19910429 191626 145 173 80 CANADA-A AGR, 67.7N 112.5W 56.5N N 110.9W 20 LO 250 N N 19910429 191626 145 173		10	CANADA	ST. LAW., ANTICOSTIA			60.3W	_	Z	9910430	113300	137	66	56	33
52 CANADA - CLOUDS, OUT OF FOCUS 54 CANADA - CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N N 19910428 205558 144 215 55 CANADA - AGR. CLOUDS TAIL 51.5N 114.2W 53.4N 115.7W 50 LO 250 U N 19910429 161017 145 112 56 CANADA - AGR. CLOUDY 79 CANADA - AGR. CLOUDY 80 CANADA - ATHABASCA R/TOWN, AGR. 55.5N 113.5W 56.4N 118.2W 10 LO 250 N N 19910429 191613 145 171 81 CANADA - ATHABASCA R/TOWN, AGR. 55.5N 113.5W 56.4N 113.7W 30 LO 250 N N 19910429 191613 145 171 82 CANADA - AGR. CANADA - AGR. 54.7N 112.5W 56.4N 112.0W 40 LO 250 N N 19910429 191644 145 176 84 CANADA - AGR. CLOUD MASS 85 CANADA - AGR. CLOUD MASS 86 CANADA - AGR. 56.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910428 192204 145 173 86 CANADA - AGR. CLOUD MASS	07	51	CANADA	0F	.0N 82	49	85.6W	_		9910430	130200	137	96	24	34
56 CANADA-A CALGARY-AG-CLOUDS-S TAIL 51.5N 113.5W 49.7N 112.3W 80 LO 250 N 19910428 205558 144 215 51 CANADA-A AGR, CLOUDY AGR, CLOUDY 53.5N 114.2W 53.4N 115.7W 50 LO 250 U 19910429 161017 145 112 52 CANADA-A AGR, CLOUDY AGR, GAR, GAR, GAR, GAR, GAR, GAR, GAR,		52	CANADA			51.2N	80.6W		z	9910430	130300	137	101	28	34
51 CANADA-A NO.SASKATCHEWAN R, AGR. 53.5N 114.2W 53.4N 115.7W 50 LO 250 U N 19910429 161017 145 112 52 CANADA-A AGR, CLOUDY LESSER SLAVE LAKE, AGR. 55.5N 115.5W 56.4N 118.2W 70 LO 250 U N 19910429 191548 145 115 80 CANADA-A ATHABASCA R/TOWN, AGR. 55.0N 113.0W 56.0N 115.4W 70 LO 250 N N 19910429 191613 145 171 81 CANADA-A ATHABASCA R/TOWN, AGR. 55.0N 113.0W 56.0N 115.0W 70 LO 250 N N 19910429 191626 145 173 82 CANADA-A LAC LA BICHE, AGR. 54.7N 112.5W 55.4N 112.0W 47.9N 110.9W 20 LO 250 N N 19910429 19164 145 176 14 CANADA-A AGR, CLOUD MASS 56.6N 115.4W 70 LO 250 N N 19910429 191624 145 173 56.6N 115.4W 70 LO 250 N N 19910428 1912204 145 173		99	CANADA-A	CALGARY-AG-CLOUDS-S TAIL	113.	49.7N	112.3W	_	z	9910428	205558	144	215	20	œ
52 CANADA-A AGR, CLOUDY CANADA-A LESSER SLAVE LAKE, AGR. 55.5N 115.5W 56.4N 118.2W CANADA-A ATHABASCA R/TOWN, AGR. 55.0N 113.0W 56.0N 116.7W ATHABASCA R/TOWN, AGR. 55.0N 113.0W 56.0N 116.7W B1 CANADA-A EDMONTON, N. SASKATCH.R. 53.5N 113.5W 55.8N 114.0W CANADA-A LAC LA BICHE, AGR. 54.7N 112.5W 55.4N 112.0W CANADA-A S. SASKATCHEWAN R, SNOW, AG 50.5N 110.0W 47.9N 110.9W CANADA-A AGR, CLOUD MASS B4 CANADA-A B5 CANADA-A B5 CANADA-A B6 LO 250 N N 19910429 191642 145 175 B6 LO 250 N N 19910429 191644 145 176 B7 CANADA-A B6 LO 250 N N 19910429 191626 145 173 B7 CANADA-A		51	CANADA-A	KATCHEWAN R,	.5N 114	53.4N	115.7W	_	z	9910429	161017	145	112	33	21
79 CANADA-A LESSER SLAVE LAKE, AGR. 55.5N 115.5W 56.4N 118.2W 10 LO 250 N N 19910429 191643 145 171 80 CANADA-A ATHABASCA R/TOWN, AGR. 55.0N 113.0W 56.0N 115.4W 30 LO 250 N N 19910429 191626 145 171 81 CANADA-A EDMONTON,N.SASKATCH.R. 53.5N 113.5W 55.8N 114.0W 30 LO 250 N N 19910429 191642 145 173 82 CANADA-A LAC LA BICHE, AGR. 54.7N 112.5W 55.4N 112.0W 47.9N 110.9W 20 LO 250 N N 19910429 191644 145 176 14 CANADA-A S.SASKATCHEWAN R,SNOW,AG 50.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910428 192204 145 173		25	CANADA-A	LOUDY			113.7W	_	Z	9910429	161037	145	115	34	21
80 CANADA-A ATHABASCA R/TOWN, AGR. 55.0N 113.0W 56.0N 115.4W 30 LO 250 N 19910429 191626 145 173 81 CANADA-A LAC LA BICHE, AGR. 54.7N 112.5W 55.4N 112.0W 40 LO 250 N 19910429 191626 145 173 14 CANADA-A S.SASKATCHEWAN R, SNOW, AG 50.5N 110.0W 47.9N 110.9W 20 LO 250 N 19910429 193105 143 90 42 CANADA-A AGR, CLOUD MASS 56.5N 116.6W 47.9N 115.4W 90 LO 250 N 19910428 192204 145 173		79	CANADA-A	SLAVE LAKE, AGR.	115.	56.4N	118.2W	250	Z	9910429	191548	145	167	47	23
81 CANADA-A EDMONTON,N.SASKATCH.R. 53.5N 113.5W 55.8N 114.0W 30 LO 250 N N 19910429 191626 145 173 82 CANADA-A LAC LA BICHE, AGR. 54.7N 112.5W 55.4N 112.0W 40 LO 250 N N 19910429 191644 145 176 14 CANADA-A S.SASKATCHEWAN R,SNOW,AG 50.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910430 143105 143 90 42 CANADA-A AGR, CLOUD MASS 56.5N 110.0W 47.9N 115.4W 90 LO 250 N N 19910428 192204 145 173		80	CANADA-A	SCA R/TOWN, AGR.		56.0N	115.4W	250	z	9910429	191613	145	171	8	23
82 CANADA-A LAC LA BICHE, AGR. 54.7N 112.5W 55.4N 112.0W 40 LO 250 N N 19910429 191644 145 176 14 CANADA-A S.SASKATCHEWAN R,SNOW,AG 50.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910430 143105 143 90 42 CANADA-A AGR, CLOUD MASS 56.5N 115.4W 90 LO 250 N N 19910428 192204 145 173		81	CANADA-A	ON, N. SASKATCH. R.		25.8N	114.0W	_	z	9910429	191626		173	48	23
14 CANADA-A S.SASKATCHEWAN R.SNOW.AG 50.5N 110.0W 47.9N 110.9W 20 LO 250 N N 19910430 143105 143 90 42 CANADA-A AGR, CLOUD MASS 56.6N 115.4W 90 LO 250 N N 19910428 192204 145 173		85	CANADA-A	BICHE, AGR.	112	55.4N	112.0W	_	z	9910429	191644	14	176	49	23
42 CANADA-A AGR, CLOUD MASS 56.6N 115.4W 90 LO 250 N N 19910428 192204 145 173		14	CANADA-A	SKATCHEWAN R.SNOW	.5N 110	47.9N	110.9W	_	2	9910430	143105		90	21	36
		42	CANADA-A	ပ၂		8	- 1	8	_	9910428	192204	145	173	4	۲

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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굺	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LO	NO NO NO	ည	T.	E S	DATE	GMT	AL	SUN	~ ╙	80
6	101	CANADA-A	N.END MCNAUGHTON LAKE	52.5N 1	118.8W	52.8N 11	117.8W	40 LO	0 250	z	19910429	160951	145	110	32	21
96	102	CANADA-A	N. END MCNAUGHTON LAKE		118.8W	53.0N 11	117.1W	40 LO	0 250	z	19910429	160958		111	32	21
06	103	CANADA-A	N.END MCNAUGHTON LAKE	. 5N	118.8W	53.2N 11	116.5W	40 LO		z	19910429	161005		111	33	21
06	104	CANADA-A	LAKES W.OF EDMONTON			54.1N 11	113.1W	90 70	0 250	2 2	19910429	161039		115	34	21
06	105	CANADA-A	LESSER SLAVE LAKE AREA	28	115.4W	54.7N 11	111.0W	40 LO	0 250	2	19910429	161100		118	35	21
90	106	CANADA-A	LAKE	5.5N	115.4W	54.8N 11	110.4W	40 LO		z	19910429	161106		119	35	21
06	115	CANADA-A	VERY CLOUDY, DARK			56.1N 11	116.1W	70 10	0 250	z	19910429	191603	145	170	48	23
06	116	CANADA-A	VRY DARK, GAS FIELD				113.7W	0 0		z	19910429	191625		173	48	23
06	117	CANADA-A	VRY DARK			55.1N 11	110.5W	50 L	LO 250	z	19910429	191654		178	49	23
96	21	CANADA-A	PEACE RIVER AREA	56.0N 1	117.0W	57.3N 11	115.7W	0	LO 100	z	19910501	172939	142	121	36	54
151	36	CANADA-A	LESSER SLAVE LAKE		117.0W	55.7N 11	113.5W	55	LO 250	Z	19910429	191627	145	174	8	23
151	37	CANADA-A	SLAVE	55.5N 1	3	4N				z	19910429	191644		176	49	23
151	157	CANADA-A	SLAVE		-		114.1W			2	19910430	190953		164	48	39
151	241	CANADA-A	ITS.				113.5W			z	19910502	141610		75	7	89
75	47	CANADA-BC	TE	53.5N 1	132.5W					2	19910428	205228		181	48	œ
75	48	CANADA-BC	α			-	129.3W			Z	19910428	205257	145	186	49	œ
75	49	CANADA-BC	FROZEN RIVERS-MOUNTAINS			4.9N	128.2W			z	19910428	205308		188	9	œ
75	20	CANADA-BC	œ	56.5N 1	125.0W	N9	126.7W			z	19910428	205322		190	49	œ
75	51	CANADA-BC	WILLISTON LAKE-FINLAY R.	SO.	124.0W	54.2N 12	125.3W	70 L	LO 250	Z	19910428	205336	145	193	49	∞
75	29	CANADA-BC	WILLISTON LAKE-FINLAY R.	56.0N 1	123.5W	54.0N 12	124.4W	7.5 L	LO 250	z	19910428	205345	145	194	49	œ
	Ġ					•				:		0	•	•	,	•
2	53	CANADA-BC	FROZEN RIVER/LAKE			2	122.3W			Z	19910428	205406		198	9	×
75	54	CANADA-BC	WILLISTON LAKE	56.0N 1	124.0W	Z S	119.7W			z	19910428	205433		202	20	œ
75	22	CANADA-BC				Z.	117.2W			z	19910428	205501		506	20	œ
83	48	CANADA-BC	MURTLE L'N.THOMPSON R.		119.3W	. 2N	119.6W	10 %		Z	19910429	160936		108	31	21
83	49	CANADA-BC	OMPSON R, ROC	₹.	38	.58	118.7W			> 2	19910429	160945	14	109	32	21
83	20	CANADA-BC	R, ROCKY MI	80.	_	N6	117.3W			z	19910429	161000		110	32	21
83	72	CANADA-BC	ж н	Σ.	3	. 2N	137.1W	15 H		0	19910429	191307		141	45	23
83	73	CANADA-BC	COAST MTNS, COAST	S.	3	38				z	19910429	191320		143	45	23
83	74	CANADA-BC	VANCOUVER I, COAST	28	_	S.	134.3W		~	z	19910429	191330		144	43	23
83	75	CANADA-BC	PORTLAND CANAL/INLET	55.0N 1	130.0W	57.3N 13	131.4W	0 L	LO 250	z	19910429	191355	145	148	44	23
83	76	CANADA-BC	SKEENA R, COAST MTNS.	55.0N 1	128.0W	57.2N 12	128.5W	- - -	LO 250	z	19910429	191419	145	152	45	23
83	11	CANADA-BC	WILLISTON LAKE, AGR.	SO.	124.0W	57.2N 12	126.4W		LO 250	Z	19910429	191437	145	155	45	23
83	78	CANADA-BC	FRASER R, QUESNEL	53.0N 1	122.5W		124.8W	90 F	10 250	2	19910429	191451		157	46	23
83	103	CANADA-BC	NECHAKO R/BASIN	8	30.	٧.	127.5W	50 L	LO 250	Z	19910429	204729		187	20	24
83	104	CANADA-BC	FRANCOIS L, FRASER L.	8	125.0W		126.8W	40 LO	0 250	Z	19910429	204736	144	188	20	24
88	45	CANADA-BC	FINLAY R., ROCKY MINS.	8	125.5W				V 250	≥						
88	46	CANADA-BC	WILLISTON LAKE RES.	57.0N 1	125.0W					-						
88	22	CANADA-BC		S.	. 5W		132.5W			z	19910429	204638	144	179	49	24
83	23	CANADA-BC	AR		3.	8	131.8W			z	19910429	204645	14	180	49	24
88	24	CANADA-BC	OOTSA LAKE AREA	54.0N 1	126.0W	54.6N 13	30.9W	40 LO	0 250	z	19910429	204653	144	181	20	24
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TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	MADIR							N	ļ	Γ
굺	۳	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT LON	ပ္ပ	TL FL	E S	DATE	GMT	AL	AZ E	_[æ
83	52	CANADA-BC	NATALKUZ LAKE AREA	. 4N	54.5N 130.3W	09			19910429	204659	144			4
83	56	CANADA-BC	KAMLOOPS, THOMPSON RIVER	50.5N 120.2W	51.1N 119.7W	40	LO 250	z	19910429	204851	144	200 5		4
83	27	CANADA-BC	VERNON, N. LK. OKANAGAN		51.0N 119.3W	90	.0 250	z	19910429	204855	144	201 5		4
89	28	CANADA-BC	AREA N.VERNON	50.6N 119.0W	50.8N 118.9W	40		Z	19910429	204900	144		52 2	4
89	59	CANADA-BC	OKANAGAN LAKE, KELOWNA	49.9N 119.5W	50.5N 118.1W	50	LO 250	z	19910429	204910	143	203 5		4
	30	CANADA-BC	CASTLEGAR AREA, L. ARROW L	49.3N 117.9W	50.2N 117.5W	40	LO 250		19910429	204916	143	204 5		4
	109	CANADA-BC	COAST MTNS.		57.3N 131.1W	90	.0 250	2	19910429	191353	145	149 4	44 2	23
	110	CANADA-BC	AREA S. OF DEASE LAKE	57.5N 130.6W	57.3N 128.9W	0	LO 250	Z	19910429	191412	145			8
06	111	CANADA-BC	EAGLENEST RANGE	57.6N 128.5W	57.1N 126.3W	9	LO 250	Z	19910429	191434	145			8
06	112	CANADA-BC	THUDAKA RANGE AREA	57.5N 127.0W	57.0N 124.7W	40	LO 250	Z Z	19910429	191448	145		46 2	ب
5	113	CANADA-RC	N END WILLTSTON AKE	47 ON 125 OW	56 ON 123 11		0.25.0	3	0010420	101501	145	160 4	46 2	
	114	CANADA-BC	WELLTOTON I AKE	2N 124		2 5	10 250	2 2	19910429	191514	146			
	64	CANADA-BC	OKANAGAN LAKE AREA	119		· -			19910502	202715	140			2 2
151	35A	CANADA-BC		5N 121.		. 0	LO 250	z	19910429	191530	145			. m
	153A	CANADA-BC	\supset	131.		35		•	19910430	190735	144			5
151	154	CANADA-BC			56.9N 126.9W	20	LO 250	Z	19910430	190758	144	146 4	44 3	6
	155	CANADA-BC	ROCKY MTS., WILLISTON L.	56.5N 126.0W	56.5N 122.6W	0		z	19910430	190836	144			6
	156	CANADA-BC	ROCKY MTS., WILLISTON L.	8	56.4N 121.7W	10		•	19910430	190844	144			<u></u>
	163	CANADA-BC	VANCOUVER, FRÄSER RIVER	49.5N 122.5W	50.7N 122.5W	0	~	N N	19910430	204155	143		52 4	40
151	164	CANADA-BC	VANCOUVER, FRASER RIVER	49.0N 123.0W	50.4N 121.9W	လ	LO 250		19910430	204202	143	188 5		•
6	ري در	CANADA-M	LETNNIBEG TOF	51 ON 96 5W	56 1N 103 3W	9	0.250	2	19910429	161215	145	127 3	38	
	. 6	M-ACANAC	LATINGE CACO END TOE	5N 02	9 0	2	,		0010700	101006	144			
۰ د	2 8	CANADA	L'ATANEDEC-CO END TCE		9 6	7 4	N 250	2 2	0010429	101023	144			, ,
2 6	40	CANADA-M	FG-MID SFCT	. 60	49 . QA	3 5			19910428	144513	145			. 4
87	41	CANADA-M	EG-NO.END. ICE	54.0N 59.5W	50.4N	20	LO 250	2	19910428	144529	145		32	4
	118	CANADA-M	UDY		51.6N	6		z	19910429	191859	144	198 5		
06	119	CANADA-M	LAKE WINNIPEG, DARK	MZ.96 N6.09	51.0N 96.6W	30			19910429	191918	144			
	120	CANADA-M		Z	50.7N	40		z	19910429	191926	144			ن
151	38	CANADA-M	X	.5N 97.	50.6N	70		~ Z	19910429	191931	144	က	52 2	
602	20	CANADA-M	LKS. WINNIPEG, MANITOBA	50.0N 97.5W	47.9N 106.9W	09	НО 100		19910429	143800	138	97 2		o
602	51	CANADA-M	LKS. WINNIPEG, MANITOBA	51.0N 97.5W	50.1N 102.1W	50	LO 100	Z Z	19910429	143900	138	103 2		.
209	25	CANADA-M	LAKE WINNIPEG	50.0N 96.0W	50.1N 102.1W	09	HO 100		19910429	143900	138			6
73	46	CANADA-N	SMALLWOOD RESFROZEN	54.0N 64.5W	53.8N 64.9W	0	NV 250	N Y	19910428	131731	146			س
73	47	CANADA-N	SMALLWOOD RES FROZEN	54.0N 64.5W		0	NV 250	N Y	19910428	131733	146		37	3
73	48	CANADA-N	RES.	54.0N 64.0W	53.9N 64.4W	0	NV 250		19910428	131736	146			6
73	40	CANADA-N	RES.	.ON 63	63.	0		> 2	19910428	131741	146			6
73	20	CANADA-N	O RESFROZEN	.ON 63		0		×	19910428	131745	146		37	3
73	51	CANADA-N	TOK R.	.5N 63	.3N 63.	0		 ≻	19910428	131750	146	123 3		က
73	52	CANADA - N	KANAIRIKTOK R SNOW-ICE	62	₹.	0	NV 250	 ≻ Z	19910428	131755	146		38	м
/3	53	CANADA-N	. 1	54.5N 62.0W	54.5N 62.1	2	NV 250	. ×	19910428	131759	146			3
	:													

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				1		4.4						100	
굺	د	GEOGRAPHIC NAME	FEATURE	LAT LON	_	AT LON	7 23	1 11 1	S DATE	GMT A	L AZ	NO. Z	S.
	54	CANADA-N	KANAIRIKTOK RSNOW-ICE	54.5N	61.5W 54.	.6N 61.7W	S NV	250	Y 19910428			l	
	55	CANADA-N	T 0K		61.0W 54.7N	7N 61.4W	S N	250	Y 19910428	·			
73	99	CANADA-N	R SNOW	5.0N	60.5W 54.8N	8N 60.8W	10 NV		Y 19910428			125 38	
	57	CANADA-N	ENGLISH R. PDSNOW-ICE	55.0N	60.0W 54.	9N 60.3W	40 NV	V 250 N	Y 19910428	131816 1	146 1		
	80	CANADA-N	LOOKING NE TO COAST		49.	3N 43.0W		250	-			218 49	
	27	CANADA-N	BURIN PENINSULA		45	.1N 58.2W	45 L		N 19910428	175839 1			
	28	CANADA-N	N PART OF AVALON PEN.	47.0N	52.0W 42.2N	2N 53.8W		250	Y 19910428	175946 1		239 47	ယ
75	53	CANADA-N	N PART OF AVALON PEN.	47.0N	52.0W 41.8	8N 53.3W	20 L	LO 250 N	-	175954 1			
80	62	CANADA-N	FORTUNE BAY-BURIN PEN.	47.5N	55.0W 50.	9N 54.9W			1991042	114009 1			18
80	63	CANADA-N	AVALON PENEAST COAST	47.0N	52.0W 51.	5N 53.1W	40 L	LO 250 N	Y 19910429	114029 1	145 1	107 31	18
6	•	40	10 m10 m0 m2/m	7	6.0 MG	7 C 2		96.0	2000	114041	445	90	•
	t 4	N-ACANAC N-ACANAC	AVALON PEN. SEA 1CE	•		50 NG	30 -	250	4 -			110 31	
	3 5	N CONTRACT	אבר יאבא	20.0	3 3			25.00	1 0				
2 6	. 4	N-ACAMAC N-ACAMAC	CUADIO - AVE	5 6	3	5N 02.	2 2		N 19910429 N 10010429		145		5 0
0 0	7.5	CAMADA	CRAND LAKE	20.0		. 04. NO		250	1001				
8 6	2	N-6CANO	CTEBLEMATILE DABY	200					•				
9 6	5 •	2 - KOKEKO	STEPHENVILLE, UANK	5 3	B 1	0 0			500			4 6	
9 6	٠, ١	N-40404-0	DODOTOVION ABEA DAME	NO. 04	2 MC 6	NC NC		250	7 0		144 1		
9 4	y 4	N-404840	_	2 2	5 6	. 20 . 20		4 0	1891046				
	016	N- VOKEY)		2 :				007	5 6	1 007151	7 6		
101	D XX	CANADA-N	BELLE ISLAND SIKAII	NO.26	. nc Mn. /c	36 NO.	⊋ ,	_	N 19910430	_		? /6	ري 4
151	06	CANADA-N	BELLE ISLAND STRAIT	51.5N	56.5W 51.	.0N 58.6W		LO 250 N	N 19910430	113317 1	44		
151 1	120	CANADA-N	SNOW PACK, CLOUDS		56.	8N 56.4W			N 19910430	130654 1	44 1	24 37	
151 1	121	CANADA-N	SNOW PACK, CLOUDS		56.	9N 55.1W		250	N 19910430	130705 1			
601	49	CANADA-N	JET STREAM, ICE FLOWS		48.	A N		100	N 19910429	113900 1	138	99 27	
	20	CANADA-N	:	8 0.	3	6N 55.			N 19910429				17
	51	CANADA-N	AVALON PEN., PLACENTIA B	S.	3.			100	1991	114000 1			
	90	CANADA-N		8	63.0W 56.	78.	2		N 19910429	144300 1	· 60		
	15	CANADA-N		-	3	54.	25 L	250	1991	_	· •		
_	86	CANADA-NB	CHALEUR BAY	NO.	3€	. 99		LO 250 N	199	œ	143	0	
151	81	CANADA-NB	GASPE PENINSULA	48.5N	65.0W 47.	9N 65.3W		250	Y 19910430	113156 1	43	91 21	34
607	က	CANADA-NB	CHALEUR BAY, SHIPPEGAN I	47.0N	66.0W 48.0N	.ON 65.1W	45 H	HO 100 N	N 19910430	113200 1	138	94 23	33
17	7	CANADA-NS	CAPR BRETON I,G.ST LAWR.	NO.	MG.09			TO 35 N	z				
	52	CANADA-NS	Ι	47.0N	60.5W 47.	.7N 62.7W			Y 19910428	175737 1	144 2	223 49	
75	56	CANADA-NS		NO.	60.0W 47.1N	61.	10 L	250	-	175752 1	144 2	225 49	
	90	CANADA-NS	CAPE BRETON I SEA ICE	45.5N	60.0W 49.	.4N 58.4W			Y 19910429	113927 1	144 1	101 28	
	61	CANADA-NS	CAPE BRETON ISEA ICE	S.	60.5W 49.6N	57.		250	Y 19910429	113935 1	144	101 28	
85	15	CANADA-NS	⋖	. 2N	64.4W 44.7N	65.	0 L	LO 250 N	_			2	
85	16	CANADA-NS		. 2N	4.4W 44	64.			-	_	142 2		38
86	34	CANADA-NS	BRETON		61.2W 43.	64.		LO 100 N	-	153636 1	•	150 56	
86	35	CANADA-NS	CAPE BRETON ISLAND	47.0N		.1N 64.5W	20 L	LO 100 N	N 19910506		144 1	51 57	
													l

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CEN		NADIR								SUN	_	
<u>ڇ</u>	æ	GEOGRAPHIC NAME	ı	LAT	2	LAT LON	NO	CC TL	FLE		- 1	GMT	AL	AZ	핍	S.
86	36	CANADA-NS	CAPE BRETON ISLAND	46.3N	60.5W 42	42.3N 6	63.5W	20 LO	100 N	Z		153658	144	153	28	133
86	37	CANADA-NS	CAPE BRETON ISLAND	46.2N	60.5W 42	. 1N	63.3W	20 LO	100 N	z	19910506	153702	144	153	28	133
86	38	CANADA-NS	CAPE BRETON ISLAND	46.2N	60.5W 41	41.9N 6	62.9W	30 LO	100 N	z	19910506	153708	144	154	58	133
86	39	CANADA-NS	CAPE BRETON ISLAND	46.2N	60.0W 41		62.3W	30 LO	100 N	Z	19910506	153718	144	155	29	133
86	40	CANADA-NS	CAPE BRETON ISLAND	46.0N	60.0W 41	41.3N 6	62.1W	20 LO	100 N	z	19910506	153721	144	155	59	133
86	4	CANADA-NS	CAPE BRETON ISLAND	46.0N	59.0W 40		61.6W	20 LO	100 N	2	19910506	153730	144	156	9	133
601	47	CANADA-NS	S. NOVA SCOTIA	44.5N	63.0W 45.		64.9W	55 HO	100 N	z	19910429	113800	138	94	24	17
83	54	CANADA-NT	JAMES BAY, SO. END, MOOSE R	Ŋ		N.	79.7W	15 LO	250 N	2	9910429	161538	145	158	46	21
73	38	CANADA-0	CLOUDS-CLOUD PATTERNS		46		83.2W		_	≻	9910428	131355	144	98	28	က
73	39	CANADA-0	CLOUDS-CLOUD PATTERNS		46	. 2N	83.1W	90 LO	_	>-	19910428	131357	144	80	58	m
73	4	CANADA-0	CLOUDS-CLOUD PATTERNS		46	S.	82.6W	85 LO	250 0	7	9910428	131403	145	66	28	က
75	30	CANADA-0	IGON	49.5N	88.5W 49	N .	4			2		192623	144	215	20	7
82	-	CANADA-0		43.0N	.0W 42	Z.				2		125917	142	82	7	35
82	7	CANADA-0	•	43.0N	42	NG.	96.3W	40 HO	250 0	z	19910430	125935	142	83	15	35
85	က	CANADA-0		43.0N	43	. 7N	95.1W	50 HO	250 0	z	19910430	125954	142	84	16	35
85	2	CANADA-0	USA-MI, L.ST.CLAIR, SNOW	4	82.0W 44	.5N	93.9W	50 HO		z	9910430	130011	143	85	17	35
82	œ	CANADA-0	NO.CHAN.AREA,S.STE.MARIE	46.0N	45	Z 6	91.7W	40 LO	250 0	Z	19910430	130044	143	87	18	35
82	თ	CANADA-0	USA-MI, L. HUR, L. ST. CLAIR	43.0N	46	Z.	90.4W	50 HO		z	19910430	130102	143	88	19	35
82	10	CANADA-0	•	46.0N	83.0W 47	.3N 8	9.2W	15 LO	250 N	N 19	910430	130118	143	06	20	35
88	49	CANADA-0	OWEN SOUND	44.5N	81.0W			№	250 U							
88	50	CANADA-0	NEAR KITCHENER	43.5N	81.0W			0 N	250 U	z						
96	27	CANADA-0	MICHIPICOTEN BAY	48.0N	85.0W 48	SN.	83.0W	10 L0	250 N	Z	9910429	130836	144	86	27	19
06	28	CANADA-0	KAPUSKASING AREA	49.4N	82.3W 49	49.2N 8	81.4W	0 0	250 N	Z	9910429	130856	145	100	28	19
06	59	CANADA-0	COCHRANE AREA	49.3N	49	S.	80.8W	0 0	250 N	Z	9910429	130903	145	101	58	19
96	30	CANADA-0	IROQUOIS FALLS AREA	48.6N		N.	80.3W	0 0	250 N	Z	19910429	130909	145	101	28	19
90	31	CANADA-0	LAKE ABITIBI AREA	48.8N	79.8W 50	. 2N	79.3W	0 0	250 N	z	9910429	130921		102	53	19
96	32	CANADA-0	KE AB1	49.0N		50.4N 7	78.8W	5 LO		z	9910429	130927		103	58	19
06	33	CANADA-0	LAKE	50.2N	₹.	•	78.0W			z	9910429	130937	145	104	30	19
6	34	CANADA-0		51.2N	79.4W 51	51.1N 7	77.1W	40 LO	250 N	z	19910429	130947	145	105	30	19
06	35	CANADA-0	BOATSWAIN BAY AREA	52.0N	78.0W 51	NE.	M9.9/	0 0	250 N	2	19910429	130953	145	106	30	19
95	14	CANADA-0	AREA NEAR HAMILTON	43.0N	79.5W 40.	SN 7	M9.6	40 LO	100 N	Z	19910505	171246	145	160	58	118
95	15	CANADA-0	œ	43.0N	3€	40.2N 7	79.2W	40 LO	100 N	Z		171253	145	161	28	118
86	4	CANADA-0			54.	NO	88.6W	85 LO	250 N	Z	19910506	153145	146	121	38	133
86	S	CANADA-0	JAMES BAY AREA		53	53.7N 8	87.4W	90 09		z	19910506	153157		122	38	133
86	9	CANADA-0	JAMES BAY AREA		53.	25	86.7W	70 10	250 N	2	19910506	153204	146	123	39	133
86	7	CANADA-0	_		53	A N	86.4W	90 FO	250 N	z	19910506	153207	146	123	39	133
86	œ	CANADA-0	BEAR ISLAND AREA	54.2N	81.4W 53		85.4W	10 01	250 N	×	9910506	153218	146	125	4	133
86	თ	CANADA-0	—	54.0N		53.0N 8	85.1W	10 LO	250 N	Z	9910506	153221	146	125	4 0	133
86	10	CANADA-0	3	53.7N	79.8W 52	8.	84.3W	5 LO	250 N	Z	9910506	153229	146	126	41	133
86	11	CANADA-0	N. AND S. TWIN ISLANDS	53.0N	79.4W 52	S.	83.5W	5 LO	250 N	z	9910506	153238	146	127	41	133

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ā	D CEOCOADUTC MANE	CEATIBE	CENTER	1	NADIR	3	1 2	=	ر ت	DATE	ĘW.		NUS A		9
۔		CH TOWARD I CHRESTOR	2 0	3	100	0 4 F.W	בן ב ק	160	2 2	10010420	130866	<u> </u>	_	۲۱۵	٥
	<		10. CV	3	7 N.	. 4				01042	130010	145		2 0	1 0
		LAKE ABITIBI	43.0K	3		78.7			: z	19910429	130931	145		29	19
		COLLEGE JAMES BAY		3		75.6			: z	19910429	131005	145		31	5
	ď	ر مهادی ۲	51.0N	3			25 HO		: z	19910429	144112	145		35	20
		PELEE	41.5N	30		82.6W				19910430	191623	141		55	39
		W EAST JAMES BAY	54.0N	3		M8.96				19910429	144000	138		32	19
	_	T JAMES	53.0N	2.0W		91.1W			z	19910429	144100	138	115	35	19
605 62	2 CANADA-0	NOTTAWASAGA BAY, MIDLAND	44.5N	79.5W 45	₩9.	82.4W	10 LO		z	19910504	171600	141	175	61 1	101
605 63	3 CANADA-0	BARRI	44.5N	79.5W 45	N9.	82.4W	5 LO	250	> 2	19910504	171600	141	175	61 1	101
605	4 CANADA-0	LK. SIMCOE, BALSAM LK.	44.5N	79.0W 45	9.	2.4W			> 2	19910504	171600	141			01
	65 CANADA-0	HAMILTON, LK, ONTARIO	•	. 0W	. 6N	82.4W	0 0	~	z	19910504	171600	141	175		101
	6 CANADA-PEI	NORTHUMBERLAND STR.	46.5N	63.5W			10 L0		z						
	4 CANADA-PEI	NORTHUMBERLAND STRAIT		64.0W 48	NO.	65.1W	45 HO		z z	19910430	113200	138	94	23	33
	41 CANADA-Q	MANICOUAGAN RESERVOIR	51.5N	68.5W 49	₹.	76.3W			×	19910428	131525	145	106	32	က
	_	GAN	•	2₩	. 8N		0 0		> 2	19910428	131528	145	107	32	က
	_	GAN	51.5N		Z.	75.3W				19910428	131537	145	107	32	က
73 4	_	GAN		₹	S.	•	0 0	25	≻ Z	19910428	131548	145	109	32	က
	_	5	51.5N	.5€	NO.				≻ 2	19910428	131705	145	117	36	က
	19 CANADA-Q	SEPT ISLES-ST LAWRENCE R	50.5N	66.5W 50	38	68.2W	07 0.	250	2 2	19910428	175628	144	213	20	9
	20 CANADA-0	MANICOUAGAN RESERVOTE	51.5N	68.5W 50	Z	67.5W	0 0	250	> 2	19910428	175636	144	214	49	g
75 21	_		5.1 5N		N.				· >	19910428	175647	144	216	9	ď
	_	NAG	. 1. c		. 2				. >	19910428	175655	144	217	9	, (c
75 2		E 0					0 - 0		. z	19910428	175714	144	220	9	9
	_	W END ILE D'ANTICOSTI			38	63.8W			z	19910428	175722	144	221	49	9
83	ď	ER			.5N	77.4W	2			19910429	144306	145	132	40	20
3		TROYE R. SNOW, ICE	56.1N	75.5W 56	NG.	74.2W	0 0			19910429	144336	145	136	41	20
9		MANICOUAGAN RES, SNOW, ICE	51.6N	86.4W 57	. 1.	71.7W	20 LO		z z	19910429	144357	145	139	41	20
e	3 CANADA-Q	CANIAPISCAU R, SNOW, ICE	56.3N		. 2N	68.5W	0 0		z z	19910429	144425	145	143	42	20
83	4 CANADA-Q	FRASER R, SNOW, ICE	96.5N	63.5W 57	. 1N	M9.02	0 0	250	z	19910429	144407	145	140	45	20
83	5 CANADA-0	KINGURUTIK L, NAIN BAY	56.6N	62.1W 57	. 3N	62.3W	0 0	250	z	19910429	144517	145	151	4	20
83	6 CANADA-Q	VOISEY BAY, KIKKERTAVAK I	56.3N	61.6W 57	57.3N 6	61.6W	0 0	250	z	19910429	144523	145	152	44	20
۳	7 CANADA-Q	ᆸ	55.2N	₹	z	57.5W	0 0		z	19910429	144558	145	158	46	20
6		MANICOUAGAN RES, SNOW/ICE	51.3N	68.9W 55	N6.	69.1₩			z z	19910429	161711	145	173	48	21
	56 CANADA-Q	ST.LAWRENCE SEAWAY, SN/IC	49.0N	69.0W 55	₹.	68.1W			z z	19910429	161720	145	175	48	21
60			51.3N			66.1W	20 LO		z z	19910429	161738	145	178	49	21
83	~ ~	BAN	51.4N	₩9.	8 8	64.6W			z z	19910429	161752	145	180	49	21
ა ა	on i	ST.LAWRENCE SEAWAY, SN/IC	47.7N		S	•			z	19910429	161811	145	183	20	21
4.	7 CANADA-0	G.ST.LAWR-CST ICE/FLOWS	50.8N	₹ ;	? ;	30.00	2 3		> : 2 :	19910501	160526	142	168	9	ຕິ
		- 1	20.08	26.0W 2	-	. 1	2		-	10001661	100234	145	ROT	2	2

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

R	æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	FER NADIR LON LAT LON	JIR LON	CC 7L	FL E S	DATE	GMT	AL.	AZ SUN	ب.	 8
84	თ	CANADA-Q	G.ST.LAWR-CST ICE/FLOWS	80.9N	58.6W 50.9N	58.6W	N O	250 N Y	19910501	160541	142	170	l	53
84	24	CANADA-Q	L.ST.PETER, ST.LAWR.R.	46.3N	72.5W 46.6N	72.4W	30 NV	250 N Y	19910501	173702	141	186		54
84	25	CANADA-0	ER, ST. LAWR, R.	46 3N	72.F. 46.4N	72.1W	≩		19910501	173707	140		54 5	54
84	26	CANADA-0	L.ST. PETER, ST. LAWR. R.		0	71.6W	2	Z	19910501	173714	140			4
90	36	CANADA-0	JAMES BAY, ICE FLOWS		52.0N	74.6W		z	19910429	131015	145			- 6
90	37	CANADA-Q	, ICE		52.1N	74.3W	2	250 N N	19910429	131019	145			19
90	38	CANADA-Q	GLACIATED TERRAIN		52.6N	72.9W	2		19910429	131034	145	110	32 1	<u>ص</u>
06	39	CANADA-Q	MISTASSINI, ALBANEL LAKES	51.3N	73.1W 53.2N	71.1W	2	250 N N	19910429	131053	145	112		6
06	107	CANADA-Q	E.COAST HUDSON BAY, ICE		56.8N	75.9W	2	250 N N	19910429	161606	145	163	47 2	21
06	108	CANADA-0	E.COAST HUDSON BAY, ICE		96.6N	74.4W	10 LO	250 N N	19910429	161619	145	165	47 2	
96	7	CANADA-0	NATASHOUAN AREA	50.0N	62.0W 51.4N	59.8W	2		19910501	160520	142	168	50 5	ښ ښ
96	œ	CANADA-0	AN AREA	50.0N	.0W 51.	59.3W		100 N N	19910501	160526				53
96	· თ	CANADA-0	IN AREA	50.0N		58.7W	2	z	19910501	160533				<u>س</u>
96	25	CANADA-0	E R., LK.ST. PET	46.2N	46.	72.4W	2	z	19910501	173655				54
96	92	CANADA-Q	R., LK.ST.PET	46.2N	72.8W 46.4N	72.0W	20 LO		19910501	173701	140	187		4
96	2.1	CANADA-Q	ST.LAWRENCE R., LK.ST.PET	46.2N		71.5W	2	100 N N	19910501	173708				54
86	12	CANADA-Q	COAST JAMES BAY-QUEBEC	53.0N		•	2	z	19910506	153246	146		42 133	<u>ლ</u>
86	13	CANADA-Q) TERRAIN	53.0N		82.2W	2	z	19910506	153252	146		42 13	<u>ლ</u>
86	14	CANADA-Q	E COVÈRED LAKES	52.7N	.0W 51.	81.7W	2	250 N N	19910506	153257	146			<u>ლ</u>
86	15	CANADA-Q	LRG.LAKES E.OF JAMES BAY	52.6N	76.6W 51.8N	81.4W	40 LO	250 N N	19910506	153301	146	129	43 13	<u>-</u>
	,					6		:	4		•		•	_
20 G	9 !	CANADA-U	ES E. UF JAMES BAY	NO. 26		30.08	2	N N DCZ	90001661	153310	140			~
30 t	1	CANADA-Q	RIVIERE EASTMAIN	•		M6.6/	2	Z	19910506	153318	146			
œ o	18	CANADA-Q	RIVIERE EASTMAIN	52.0N	20	79.1W	2		19910506	153327	146		45 133	
80 65	13	CANADA-Q	PANORAMA		49.9N	76.7W	오	2	19910506	153355	146			<u>۔</u>
86	20	CANADA-Q	2		49.7N	76.1W	2	z	19910506	153402	146			<u>-</u>
86	21	CANADA-Q	MANICOUAGAN	51.4N	49.	75.0W	2	Z	19910506	153416				<u>ლ</u>
86	22	CANADA-Q		50.2N	66.5W 47.5N	71.8W	70 10		19910506	153457	145	141	50 13	<u>۔</u>
86	23	CANADA-Q	SEPT-ILES AREA	49.6N	66.2W 47.3N	71.4W	2	250 N N	19910506	153503	145	141	51 13	E
86	24	CANADA-Q	LONG NARROW			70.7W	오	z	19910506	153512	145		51 133	<u>س</u>
86	52	CANADA-Q	PANORAMA, LONG NARROW LKS		46.5N	MO.07	20 HO	250 N N	19910506	153522	145	143	52 13	
86	92	CANADA-0	ANTICOSTI ISLAND	49.7N	63.6W 46.3N	M9.69	20 LO	250 N N	19910506	153527	145	144	52 133	<u></u>
86	27	CANADA-0	ANTICOSTI ISLAND	49.5N	63.0W 46.2N	86.3W	2	250 N N	19910506	153531	145	144	52 133	5
151	12	CANADA-0	TASSINI, ALBANEL	51.0N	52.	73.1W	2	Z	19910429	131032				19
151	13	CANADA-0	AWRENCE RIVER	49.0N	53.	M2.69	오	250 N N	19910429	131108				19
151	14	CANADA-Q	LAWRENCE	48.5N	67.0W 53.9N	68.4W	皇	Z	19910429	131121				<u> </u>
151	15	CANADA-Q	GULF OF ST. LAWRENCE	48.0N	61.0W 55.5N	61.6W	오	250 N N	19910429	131227				19
151	83	CANADA-Q	ST. LAWRENCE RIVER	47.5N	70.5W 45.6N	69.4W	65 LO	250 N N	19910430	113059	143	87	18 3	34
151	84	CANADA-Q	. LAWRENCE	48.5N		68.8W	2	_	19910430	113108	143			<u> </u>
151	82	CANADA-Q	. LAWRENCE RIVE		3	•	20	250 N Y	19910430	113124	143		20 3	4
151	88	CANADA-Q	S. LABRADOR, ICE PACK	51.5N	80.0W 50.0N	M6.09	20 LO	250 N N	19910430	113250	143	95	24 3	4

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	l	ante					Ì	N	1	Γ
R	FR	GEOGRAPHIC NAME	FEATURE	LAT LON		LAT	בכ זר	ш	DATE	GMT	AL	AZ	٦	ا ا
602	55	CANADA-Q	, ICE	NO.	79.0W 53.9N		오	100 U N	19910429	144100	138			<u>6</u>
209	96	CANADA-Q	JAMES BAY, ICE FLOWS	NO.	80.0W 53.9N	W 91.1W	2	-	19910429	144100	138			61
602	57	CANADA-Q	HUDSON BAY, ICE FLOWS	56.0N 7	78.0W 55.3N	N 84.8W		¬	19910429	144200	138		37	6
209	58	CANADA-0	_	NO.	77.0W 55.3N		2	100 U N	19910429	144200	138			19
209	29	CANADA-0	UPLAN		55.38	N 84.8W	25 HO	z	19910429	144200	138			61
602	61	CANADA-0	HOPE MTS., MANICOUGAN LK		67.0W 56.3N	78.		2	19910429	144300	138	131		61
209	62	CANADA-0	HOPE MTS., MANICOUGAN LK	52.0N 6		N 71.3W		2	19910429	144400	138			61
607	တ	CANADA-Q	GASPE PEN., NOTRE DAME M		65.0W 48.0N	M1 .65 IW		100 N N	19910430	113200	138	4		33
607	9	CANADA-0	ANTICOSTIA ISLAND	NO.	62.0W 48.0N	N 65.1W	0 0	100 N N	19910430	113200	138	94	23	33
607	7	CANADA-Q	-		64.0W 48.0N	N 65.1W	25 HO	100 N N	19910430	113200	138	94		33
607	æ	CANADA-0	GULF OF SAINT LAWRENCE	49.0N 6	61.0W 48.0A	N 65.1W	2	100 N N	19910430	113200	138	4		33
8	-	CANADA-S	LOCHE/TOWN,	56.5N 109	19.5W 56.5N	N 108.5W		250 N N	19910501	155804	143	106		53
84	7	CANADA-S	4	6.5N	.0W 56.	107.	0	250 N N	19910501	155813	143			53
84	က	CANADA-S	LAKES-CLOUDY, ICE	56.5N 108	₩6.	N 106.9W		250 N N	19910501	155818	143			53
84	4	CANADA-S	GROW L, LAKES, SNOW/ICE	56.5N 104	14.5W 56.9N	N 104.5W	≩	250 N Y	-	155839	143	110	31	53
84	S	CANADA-S	ټہ	Z	MG.	103.	≩	z	1991	155849	143			
8	ဖ	CANADA-S	LAKES, SNOW/	56.7N 104	30.	101.	2	250 N Y	-	155901	143			93
84	21	CANADA-S	L, DECEPTION L,	56.5N 104	.5W 56.	103.	≩	250 N Y	19910501	173130	142			4
84	22	CANADA-S	DECEPTION L,	4N .	56.	103.		250 N Y	_	173134	142	136		4
8	23	CANADA-S	GROW L, DECEPTION L, ICE	56.5N 104	14.4W 56.3N	N 102.4W	2	250 N Y	19910501	173140	142		41	4
96	-	CANADA-S	LA LOCHE, ICE ON LAKES	56.5N 108	18.8W 56.4N	W 109.2W		100 N N	19910501	155751	143	105	58	63
96	^	CANADA-S	2	2	5W 56	108	-	100 N	19910501	155759	143		50	53
9 6	. ~	CANADA			.5W 56	107	2	100 N	19910501	155805	143			. 67
96	4	CANADA-S	: ₹	. Z	.5W 56.	104	2	100 N	19910501	155833	143		31	
96	S	CANADA-S	TERRAIN. NEW	S	.5¥	103.	2	100 N N	_	155839	143			53
96	9	CANADA-S	TERRAIN, NEW	4			2	Z	-	155845	143		32	. 60
96	22	CANADA-S	AREA	56.5N 104	₩6.	N 104.0W	2	z	19910501	173119	142			54
96	23	CANADA-S	GLACIATED AREA	56.5N 104	3 6.	N 103.3W	20 LO	_	19910501	173125	142	136	41	40
96	24	CANADA-S	GLACIATED AREA, DEEP BAY	56.2N 103	13.6W 56.3N	102.	0 0	100 N N	19910501	173134	142			54
151	158	CANADA-S	LAKES, AGRICULTURE FIELD		53.5N	N 107.8W	2	250 U N	19910430	191055	143		90	33
604	37	CANADA-S	N. SASKATCHEWAN RIVER	52.5N 107	7.5W 51.2N	N 107.1W		250 N N	19910501	142500	136	96	4	21
79	34	CANARY ISLANDS	TENERIFE OR GRAN CANARIA		28.6N	N 16.2W	2	250 U N	19910429	070319	141	11	9	15
79	35	CANARY ISLANDS	TENERIFE-VERY DARK	28.5N 1	16.5W 29.2N	N 15.8W		250 U N	19910429	070329	142	11		91
79	36	CANARY ISLANDS	TENERIFE-VERY DARK		16.5W 29.6N		2	_	19910429	070338	142	78		21
79	37	CANARY ISLANDS	TENERIFE	28.0N 1	16.5W 30.7N	N 14.5W		250 N N	19910429	070359	142	78		91
83	9	CANARY ISLANDS	TENERIFE, GOMERA, CLOUDY		16.6W 25.8N	MO.61 N	2	Z	19910429	162914	139	265	42	21
83	61	CANARY ISLANDS		. 3N	16.6W 25.2N			250 N N	19910429	162925	139	ထ		21
83	62	CANARY ISLANDS	ш	. 1N	16.7W 24.5N		2	250 N N	19910429	162938	139			21
92	38	CARIBBEAN SEA	Ž,	,	.4W 14	•	50 LO	100 N N	19910505	185041	141	253		119
8	35	CAROLINE ISLANDS	BABELIHUAP I/REEF	N.	34.5E 11./N	7	3	N 062	19910503	053539	23	- 1	61	

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

	Í			CENTER	NADIR							SUN	Z	
귍	2		FEATURE	LAT LON	LAT	8	리	ᆈ	- 1		- 1	AZ	피	S S
84	33		BABELTHUAP I/REEF	7.5N 134.6E	8.9N 136	136.3E	2	250 N N		13 053629		257	9	78
86	87	CAROLINE ISLANDS	NEW, UNCHARTED ISLAND		7.4N 148	148.3E	10 LO 2	250 N N	1 19910430	30 060058	8 137	282	32	30
86	88	CAROLINE ISLANDS	NEW, UNCHARTED ISLAND		6.9N 148	. 6E	30 LO 2	250 N N	1 19910430	10 060107	7 137	282	31	30
86	88	CAROLINE ISLANDS	NEW, UNCHARTED ISLAND		6.5N 148	148.8E	30 LO 2	250 N N	19910430	30 060114	4 137	282	31	30
98	06	CAROLINE ISLANDS	SHOAL		5.8N 149	149.3E	30 LO 2	250 N N	19910430	30 060128	8 137	283	30	30
98	91	CAROLINE ISLANDS	8		38		2	z				283	30	30
86	7	CAYMAN ISLANDS		19.3N 81.3W		82.8W	2	250 N N	19910429	9 205956		272	39	24
93	45	CHILE	ANDES, S. ALTIPLANO, COAST	28.0S 70.0W	30.28	74.9W	60 HO 2	250 N N	19910505	5 203359	9 143	305	28	120
93	46	CHILE	COOUIMBO, LA SERENA AREA		31.75			Z	19910505			305	58	120
93	41	CHILE	LA SERENA		33.38	30.	2	250 N N	19910505			304		120
6	9	2 (177	44 C 40 C 40 C 40 C 40 C 40 C 40 C 40 C	MO 61 33 36		3			1001060	2006.32	1	*00	ç	
2 4	9 6	CHILE	7 1	35.55 /2.08	0.0	B .	3 :	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				100		021
C 1	28	CHILE	MINS.		30.95	M 7 .	2 :	2 :			4	305		120
G :			ANDES MINS E. OF RANCAGA	.33	33.45		2	Z				304		120
74	0		LOAHA STREAM	. 5N	8 6.	. 2E	≩	z				156		14
74	-	CHINA	MANCHURIAN PLAIN-STREAM	5N 120	41.3N	. 0E	2	z			5 146	157		125
75	80	CHINA	WEIHAI-PANORAMA		34.6N	5.7E	2	-				82	14	6
75	81	CHINA	PANORAMA	37.5N 122.5E	35.0N 126	3.0E	10 00 2	250 U Y	19910428	8 220740	0 143	85	14	6
11	22	CHINA	TIB PLATSARIGH J. LAKE	34.5N 79.5E		9.8E	10 NV 2	250 N N	19910429	9 010636	6 142	81	13	11
77	99	CHINA	ALTUN MNTSDÜST STORM	37.0N 85.0E	37.9N 83	3.6E	9	250 N N	19910429	9 010750	0 143	85	11	11
7.7	57	CHINA	TANKLIMAKAN DESERT-DUNES	41.0N 87.0E	40.0N 8	6.0E	0 L0 2	250 N N	19910429	29 010834	4 143	87	19	11
11	28	CHINA			40.8N	86.9E	2	z		9 010849		88	50	11
11	59	CHINA	KORLA-NEAR BOSTON L-DUST		41.4N	87.8E	2	Z			3 143	83	21	11
77	61	CHINA	DUST STORMS-MNTS.	45.5N 93.0E	46.4N	95.2E	2	250 N Y	19910429	9 011056	6 144	97	56	11
11	62	CHINA	BARKOL LAKE-DUST	43.5N 93.0E	46.9N	96.0E	2	250 N N	1 19910429	9 011107	7 144	97	27	11
79	16	CHINA	LIAODONG BAY-DALING R.	41.0N 121.5E	41.9N	124.5E	2	250 N Y	19910429	9 055646	6 142	237	49	14
79	17	CHINA	LIAODONG BAY-SHAUNGTAIZ	41.0N 121.5E	41.7N	124.7E	10 LO 2	250 N Y	19910429	9 055650	0 142	237	49	14
79	18	CHINA	LIAODONG BAY-SALT PANS	40.5N 122.0E	41.5N 125	5.0E	2	250 N Y	19910429	9 055655	5 142	238	49	14
79	19	CHINA	LIAODONG BAY-SALT PANS	40.5N 122.5E	41.3N 125	•	10 LO 2	250 N Y	19910429	9 055700	0 142	239	49	14
79	50	CHINA	KOREA BAY-YALU RIVER DEL	40.5N 123.5E	40.8N 125.	5.9E	40 LO 2	250 N Y	19910429	9 055710	0 142	240	49	14
79	21	CHINA	KOREA BAY-YALU RIVER DEL	40.0N 124.0E	40.5N 126	6.3E	30 00	250 N Y	1991042	9 055716	6 142	240	49	7.
79	80	CHINA	OINGHAI LAKE	37.0N 100.5E	38.1N 106	8.4E	15 LO 2	250 N N	1 19910429	9 072743	3 142	246	8	15
79	81	CHINA	¥	Ž	7	107.9E	9	250 N Y	19910429			249	47	15
79	82	CHINA	LENGLONG MOUNTAINS		¥.	108.2E	9	250 N Y				249	47	15
79	83	CHINA			36.2N	108.4E	9					250	47	15
79	85	CHINA			23.8N	119.1E	2	=				269	39	15
79	86	CHINA	COAST-CLOUDS-DARK		S.	119.3E	2	-	-			269	38	15
84	30	CHINA	CITY, CLOUDS		¥.	119.8E	2					189	29	78
84	31	CHINA	UUHENG I, COAST	29.6N 122.1E	29.3N 122	2.4E	70 LO 2	250 N N	19910503	3 053016		198	61	78
84	37	CHINA	SHALULI MTNS		31.3N 98	8.0E	2	250 N N	19910503			190	59	79
84	38	CHINA	SHALULI MINS		30.2N 99	9.0E	80 LO 2	250 N N	1991050	3 065927	7 138	193	90	79
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TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ā	1 8	GEOGRAPHIC NAME	FFATHRE	CENTER		NADIR	R Sol	11 22	ū	8	DATE	GM.T	ā	SUN	 _#	8
84	 		ED R. FAULT ZONE	23. 4N	щ	23.6N 1	104.1E	30 NV		1"	18	070130	137	213	63	29
		ANTES O	# EAM - 4 C 25				1			•			,			
9 6			1,NAM L.1.C.EB	. O	91.0E					2 2						_
င္က									9	z :						
82									40	z						
82	0	K CHINA	TROP.CYCL.02B, DARK					90 년	40							_
86	24	CHINA	SW., AGRI., NEAR SHACHE	38.0N	77.0E 3	36.1N	77.6E	5 10	250 N	N 199	19910430 (010047	142	79	2	27
98	25	CHINA	SW., AGRI., NEAR SHACHE	38.0N	77.0E 3	36.5N	78.0E	2 10	250 N	N 199	9910430 (010054	142	80	11	27
98	26	CHINA	AREA W.OF BACHU	39.8N	77.3E 3	37.0N	78.5E	07 0	250 N	N 199		010105	142	80	11	27
86	27	CHINA	AREA W.OF BACHU	40.1N	78.0E 3	37.3N	78.9E	07 0	250 N	N 199	19910430 (010111	142	80	12	27
86	28	CHINA		40.2N	78.6E 3	37.7N	79.3E	0 10	250 N	N 199	19910430 (010119	142	81	12	27
86	59	CHINA	SAND DUNES, TARIM BASIN		,	38.8N	80.5E	10 60	250 N	N 199	9910430 (010141	142	82	13	27
88	30	CHINA	AGRI MENCIL AREA	41 SN	79 RF	39 7N	81 BF	0 0	250	199	9910430	010200	142	82	14	27
9	3.5	CHINA	AKE III IINGAR ARFA	•	7	45.0N	98		250			010357	143	68	20	27
. .	2	CHINA	I AKE III IINGAR AREA	47 2N		45.5N	89.7F		250		_	010409	143	06	21	27
86	79	CHINA	<u>X</u>	41. DN	. OE	Z	123.2E		250	-	_	055052	141	235	52	30
87	51	CHINA		36.5N			124.9E		250	_		220722	142	82	13	6
87	52	CHINA	- 60	36.0N			125.5E		250	_		220734	143	82	14	ø
87	53	CHINA	SHANDON PENINSULA	37.2N			126.0E		250		-	220743	143	82	14	6
87	57	CHINA	PAEKTU VOL, CHANGBAI SHAN	42.0N			130.2E	40 LO	250 U	N 199	9910428	220903	143	86	18	6
87	62	CHINA	MOUNTAINS		7	41.0N 1	132.7E	4c L0	250 U	N 199	9910428 2	220947	143	88	21	<u>.</u>
		,			1								:		,	
8	65	CHINA		45.3N	132.7E 4		134.7E		250			221019	144	91	22	თ
87	68	CHINA					136.2E		250			221044	144	92	23	G)
151	44	CHINA		32.0N		34.3N	83.5E		250			085143	140	246	51	32
151	45	CHINA	TIBET PLATEAU, CHILIN L.	31.5N		32.9N	84.9E	15 LO		N 199		085211	140	250	51	32
151	45A		PLAT.,	31.0N		-	140.3E	2 10	250			085232	140	252	51	32
151	46	CHINA	TIBET PLAT., NAMU LAKE	31.0N		30.8N	86.7E	20 02	250 N	N 199	19910430 (085251	140	254	20	32
603	10	CHINA	VIEW W. TAKLA MAKAN DES.	40.0N		39.4N	81.2E		100			010200	139	83	15	26
603	11	CHINA	ALTAI, TIEN SHAN MTS.	44.5N	91.0E 4	44.9N	88.6E		100 N	N 199	9910430 (010400	138	06	21	26
604	62	CHINA	YANGTZE RIVER DELTA	31.5N		. 2N			250	N 199		053700	135	236	09	61
604	63	CHINA	HANG-CHOU BAY	30.5N	121.0E 3	35.2N 1	120.7E	2 10	250 N	N 199	9910502 (053700	135	236	90	61
610	52	CHINA	SOUTHERN GOBI DESERT	41.0N		36.3N	96.6E	07 0	250 U	N 199	9910430 2	232400	137	11	7	41
610	53	CHINA	SOUTHERN GOBI DESERT	40.0N	99.0E	36.3N	96.6E	07 0	250 U	N 199	19910430 2	232400	137	11	7	41
610	54	CHINA	GOBI DESERT			39.2N	99.8E	55 LO	250 U	N 199	19910430	232500	137	79	11	41
610	55	CHINA	GOBI DESERT			39.2N	99.8E	07 0	250 U	N 199	19910430 2	232500	137	79	11	41
610	99	CHINA	GOBI DESERT, SOGO LK.	45.0N		39.2N	99.8E	07 0	250 N		19910430 2	232500	137	79	11	41
610	57	CHINA	GOBI DESERT, GAXUN LK.		100.5E 3	39.2N	99.8E	07 0	250 N	N 199	19910430	232500	137	79	11	41
610	58	CHINA	CLOUDS, MOON			44.7N 1	107.2E		250 N	N 199	19910430 2	232700	137	86	17	41
610	29	CHINA	DESE		7		110.0E			N 189	19910501 (054100	136	209	99	45
610	9	CHINA	DESE		7		110.0E		~	N 199		054100	136	209	99	45
610	61	CHINA	GOBI DESERT		4	46.3N 1	110.0E	10 LO	250 N	N 199	19910501	054100	136	209	99	45
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TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

R	FR	GEOGRAPHIC NAME		CENTER LAT LON	LAT	LOX OX	11 23	FLE	S DATE	GMT	Ā	AZ SUN	1.08	~
610	62	CHINA	SERT		43.7N 1	114.1E	9	z	ĕ	15	136	l lœ	57 4	45
610	63	CHINA	GOBI DESERT			114.1E	2	z			136		. ~	5.
610	64	CHINA	GOBI DESERT			114.1E	2	Z			136		•	
010	65	CHINA	OF DALIAN, LUSHUN	39.0N 121.5E	38.1N 1	121.3F		250 N	N 19910501	054400	136		4	ري.
610	99	CHINA	LIAOTUNG	. 5N		121.3E		z	N 19910501		136			45
610	29	CHINA	KOREA BAY 39	3.5N 123.5E		121.36	25 LO 2	Z	N 19910501	054400	136		•	45
71	11	CLOUDS	CLOUDS-EXTERNAL TANK			24.1E		250 N	N 19910428	115807	125			~
71	18	CLOUDS	CLOUDS-EXTERNAL TANK		47.9N	28.1E 1	100 LO 2	250 N I	N 19910428		127			~
7	19	CLOUDS	CUMULUS-CIRRUS			. BE	2	Z			128			_
77	20	CLOUDS	CUMULUS-CIRRUS			#:	2	z			128			~
;	;													
2 ;	æ (CLOUDS	BLACK		2 <u>N</u>	28.9W		∍	19910428	131830	146			e
۳	29	CLOUDS	BLACK		. 3N	58.2W		>	19910428	131836	146	129 3	39	
73	90	CLOUDS	BLACK		S S	34.0W		-	19910428	132207	146	161 4	46	9
73	61	CLOUDS	BLACK		57.2N 3	33.7W		_	19910428	132209	146	162 4	46	~
73	97	CLOUDS			43.6N 2		95 LO 2		N 19910429	053839	144		-	
74	9	CLOUDS	CLOUDS			. 5E	2				146		_	
74	61	CLOUDS	CLOUDS		53.3N			z	_		146			
75	17	CLOUDS	TOWERING CUMULUS-HIGH CL		5.7N		9	0	_		138			
7.7	97	CLOUDS	~			7.	9	=	· -	001706	139		-	_
79	33	CLOUDS	CLOUD TOP-VERY DARK		N .	-	9)			141	77	9	· 40
							,	· !)		1	
79	84	CLOUDS	CUMULUS, CUMULONIMBUS		27.6N 11	116.1E 1	100 LO 2	250 N I	N 19910429	073107	140	264 4	42 1	۰.
08 —	7	CLOUDS	CLOUDS-UNDEREXPOSED		6.95 13	137.9E	30 LO 2	250 U I	N 19910429	074129	138		13 15	٠,
80	œ	CLOUDS	CLOUD WAVES-UNDEREXPOSED		18.15 14	144.8E 1		250 U I	N 19910429	074451	139			-
80	20	CLOUDS	CLOUD HOLE			4E	2	Z			139		38 16	
84	29 8		LOW CLOUDS/SMOKE, UPP.CLD				9	z)			
84			LOW CLDS/SMKE, UPPER CLDS			~	9	z	. 2					_
	29 D					, <u>, , , , , , , , , , , , , , , , , , </u>	2	Z	-					
84		_	LOW CLDS/SMKE, UPPER CLDS			-		2	2					
68	35	COLOMBIA	N.CENTRAL COLOMBIA		7.9N 7	75.5W	40 LO 2	250 N P	1 19910429	210320	138	282 3	30 24	_
68	36	COLOMBIA	N.CENTRAL COLOMBIA			74.6W		Z	N 19910429					_
89	37	COLOMBIA	N. CENTRAL COLOMBIA		6.1N 7	74. 4W	40 10 2	250 M B	M 19910429	210252	111	281	28	_
83	38	COLOMBIA			N.		2	: 2		210423	137		27 27	
68	39	COLOMBIA	ABERO	2.5N 72.6W			2	2	N 19910429	210450	137			
68	40	COLOMBIA	CHAPARRAL				9	=		210458	137			_
151	40	COLOMBIA			Z		9	=		210353	137			
98	ß	COLUMBIA						Z	N 19910429	210319			30 24	_
98	9	COLUMBIA	SUNGLINT, EDDIES, ST. CLOUD		7.7N 7		9	Z	-	210330				
86	7	COLUMBIA	SUNGLINT, EDDIES, ST. CLOUD				2	z		210350				
93	14	COLUMBIA	VERY CLOUDY, HAZY, COASTAL				2	Z					-	
93	15	COLUMBIA	VERY CLOUDY, HAZY, COASTAL		3.2N 7	73.9W	95 LO 2	Z	N 19910505					_
													1	7

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

														l		
ā	ä	GEOGRAPHIC NAME	FFATIIRE	CENTER		NADIR	۲	F	u	<i>v</i>	DATE	TMS	₹	A S	SUN F	80
610	-	CONGO	NGOKO RIVER LAND LISE	2 ON	یا	1 3N 15 AF		ıl۔	2	-	9910430	150000	1	286	28	35
408	. 4	CONTO	OBMS	:			-		: z	٠.	19910502	055500		293	22	61
400	6,		THUNDERSTORMS		7.					199	19910502	055200		293	22	61
151	17A	_		42.5N	9.0E 42				Z	199	19910429	132438		235	51	19
602	9	CORSICA	SEA, IT. C		9				z	N 199	19910429	132400		230	51	18
96	97	CRETE	ISLAND	T.	1	26			Z		9910503	112618		175	99	82
72	86	CUBA	CANARREOS ARCHIPELAGO		81.0W		25	2	250 N	z						
72	83	CUBA	CIENFUEGOS		80.5W		35	2		z						
72	88	CUBA	VIEW EAST OF ISLAND		79.0W		35	오	250 N	z						
72	83	CUBA	VIEW EAST OF ISLAND		₩0.8V		35	H0 2	250 N	z						
76	91	e a	JONS-GHE S OT HEST SO HAD	30 00	70 MO 07	7.6		9		9	0040400	210652	130	376	22	a
C 6	9 2	¥900		NO. 22		Z	2 6		2 007		19910420	700017		0.7.4	200	9 6
2 5	, c	, con 2		2 2	3 3				_		87401	2000		27.4	0 6	3
9 6	÷ •	CUBA	_		₹						19910428	550017		7/7	ב ק	0 0
8	4	CUBA	MID-WEST SECT, DAKE	2 ;	3						19910428	756017		1/7	C O	0
87	45	CUBA	BROA BAY,	es	3.	80 N8					19910428	210542		272	35	00
87	46	CUBA	MID SE	8	₹	8					19910428	210546		272	35	0 0
87	41	CUBA	AY,BAY OF P	2 <u>5</u>	₹	79			_	N 199	19910428	210553		272	35	œ
87	48	CUBA		Z	3€.	. 1N 79		2		N 199	19910428	210613		273	34	œ
95	33	CUBA			84.5W 23	3.8N 86.8W	_	2	100 N	N 199	19910505	184753		213	72	119
96	34	CUBA	SW. TIP OF ISLAND	21.8N	84.5W 23	3.4N 86.6W	7	10	100 N	N 199	19910505	184800	142	214	73	119
	ţ			į	;	;				•		0,00			•	,
C 1	ຄຸ	CUBA	SW. IIP OF ISLAND	z :	3	20				75 Z	8910505	184800		917	2	811
6	36	CUBA	5 6		3						19910505	184819		219	2	119
o +	ري د د	CUBA	† £	2 2		æ,			z (19910505	184824		220	2 6	611
4 7	? ;	CZECHUSLUVAKIA		Z :	ä :	Z :			o	_	9000166	093528		135	0 4	671
74	78	CZECHOSLOVAKIA	TRNA	Z :	9	NA.		70	0		9910506	093542		137	47	129
74	6	CZECHOSLOVAKIA	BANS	Z :	9.	4N 1			0		19910506	093544		137	47	129
74	80	CZECHOSLOVAKIA	NEAR BANSKA	. 5N	2	.3№ 15.			0	۲ 199	19910506	093546		137	47	129
	81	CZECHOSLOVAKIA	œ.		9.	.2N 15		2			19910506	093548		138	48	129
	85	CZECHOSLOVAKIA	DANUBE R NEAR GYOR	NO.	S	.1N 16.		2	_	۲ 199	19910506	093550		138	48	129
7	νo.	DENMARK	FALSTER-HAZY	55.0N	12.0E 54	4.1N 11.5E	15	№	250 N	199 2	19910428	115551	118	196	49	7
72	92	DOMINICAN REPUBLIC	VIEW E. OF HISPANIOLA	18.0N	71.0W		45	HO 2	250 N	2						
151 2	206B	DOMINICAN REPUBLIC	SANTA DOMINGO, PT.SALINA	. 5N		19.8N 67.9W		10 2	250 N	N 199	19910501	191524	138	260	54	55
	64	EAST CHINA SEA	SEDIMENT PLUME, YANGTZE			123.			250 N	N 199	19910502	053800		244	29	61
604	65	EAST CHINA SEA	SEDIMENT PLUME, YANGTZE		32		0			N 199	19910502	053800		244	59	61
	22		ER. LAKE	25.0N 3	32.5E 16						19910505	112151	14	244	72	114
	23	EGYPT		8	9				_		19910505	112205		247		114
	24	EGVPT	NW PAN GILF KEBIR PLAT						_		9910505	112228		25.2	: =	114
604	4	EGYPT	L, EL-TINA				m			-	9910501	114300	•	240	57	64
604	9	EGYPT	GAZA STRIP, EL-ARISH							N 199	19910501	114400		248	. 56	49
604	1	EGYPT	CANAL:		. OE	4N 36			20 N	199.	9910501	114400		248	56	6
					1		1	'					1		:	

TABLE 4.4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

			CENTER	NADIE	_						S		Γ
	FR GEOGRAPHIC NAME		اڃا	LAT		리	ᆈ	DATE	- 1	ı	H		۵
		CANAL, NILE R. VAL.	31	32.4N	တ	2		19910501				S	_
	9 EGYPT	M, OUT OF FOCUS	22.0N 25.0E	~	4		z	19910430	132400				-
607 70	70 EGYPT	OUT OF FOCUS	22.5N 25.5E	~	4.7E	5 LO 100	z	19910430	132400	137 2			-
90 7	71 ETHIOPIA	WITH SU		12.9N 3	35.2E	10 LO 250	z	19910429	133354	138 2	279 3	32 19	-
90 7	72 ETHIOPIA	NO ID FEATURES			35.6E	2	z	19910429	133404			31 19	_
90 7:	73 ETHIOPIA	LAKE TANA	12.0N 37.3E	10.9N	36.5E		z	19910429	133430	138 2	280 3	30 19	<u> </u>
7 06	4 ETHIOPIA	LAKE TANA	11.8N 37.1E	10.1N	36.9E			19910429	133444	138 2	280 3	30 19	•
90 75	5 ETHIOPIA	LAKE TANA	12.0N 37.6E	9.7N	. 2E	60 LO 250	Z	19910429		138 2	_	29 19	<u> </u>
90 76	6 ETHIOPIA	RUGGED MOUNTAINOUS AREA		8.7N 3		50 LO 250		19910429	133510		281 2		_
77 06	7 ETHIOPIA	DEBRE ZEYT, UNNAMED LAKE	8.5N 39.0E	7.6N	38.5E	0 LO 25	50 N N	19910429	133530	138 2	282 2	27 19	•
151 26	6 ETHIOPIA	LAKE TANA, BLUE NILE	11.5N 36.5E	11.0N	6.4E	15 LO 25))	19910429	133430	138 2	280 3	30 19	<u></u>
	26A ETHIOPIA		32	9.1N	37.5E	7		19910429		80		29 19	
		ETHIOPIAN RIFT VALLEY	NO. 6	7.3N	38.6E	2	_	19910429					_
151 27	7 ETHIOPIA	EASTERN MINS., DARK		3.7N 4	40.7E	35 LO 250	N 0	19910429	133640	138 2	284 2	24 19	_
602 22		ETHIOPIAN PLAT., HAZE		6.1N 3	39.4E	40 LO 100	Z	19910429	133600				•
		ETHIOPIAN PLAT., HAZE			. 4E	皇	z	19910429				27 18	•
		/IA,ROM		Z	.2E	2	-	19910506	093617	145 1			<u></u>
7	_	CLOUDS, VIEW S.TO AFRICA			M6.	오	-	19910502	130126				_
607 15	5 EUROPE	. Sanoto		×	0.2E		N N	19910430	114400	_	191 6	52 33	_
607 16	6 EUROPE	HUNGARY, YUGOSLAVIA AREA		z	20.2E	80 LO 100		19910430	114600	137 2		33	<u>۔</u>
79 50	0 FRANCE	NEAR BORDEAUX	44.5N 1.0W	44.1N	. 4E	15 NV 250	Z 0	19910429	070833	144	91	1	
79 5.	1 FRANCE	DESANGITMET	44 5N 1 0W	44	ă	15 NV 250	> =	19910429	070830	144	, ,	23 1	
		G I AND SETNE R	• •	47	5.5	<u> </u>	2	19910429		144			
		AG LAND, SEINE R	Z.	47.4N	5.9E	0 LO 250		91042		144	_	26 15	
		CLOUDS(3/4 FR.)		52.3N	2.1E	2	z	19910503		141			o
		R/ESTUARY, CST	0	4	. 4E			19910429	070833	144	91		
87 91	1 FRANCE	IJON, AGR.	47.2N 5.4E	47.1N	5.3E	0 NV 250	_	19910429	070943	144			2
90 40	0 FRANCE	RHONE R., MARSEILLE AREA	43.8N 4.7E		4.6E	~		19910429		143 2	223		
		RHONE R., MARSEILLE AREA	.5N 4.	45	•	L0 2	_	19910429	321				_
90 42	2 FRANCE	TOULON AREA	43.2N 6.3E	45.1N	9 · 0E	40 LO 25	Z Z	19910429	132328	143 2	226	51 16	<u> </u>
90 43	3 FRANCE	CANNES AREA	43.5N 7.0E	44.7N	6.7E	30 LO 250	N N	19910429	132338	143 2	227	51 18	
96 93	3 FRANCE	CLOUDY, HAZY		49.6N	5.5E		Z	19910503	112044	146 1	129	39 8	~
151 16	16A FRANCE	RHONE RIVER, LYON	45.5N 5.0E	45.3N	5.8E	50 LO 250	z	19910429	132326	143 2	226	51 19	_
	m	RHONE R. DELTA, PYRENEES	.ON 3.	44.8N	.6E	2		19910429				51 19	<u> </u>
151 17	7 FRANCE	ALPS, LOMBARDI PLAINS	.5N 5.	42		오	z	19910429	132423			51 19	_
151 122		NS.	es	43	•	2	z	19910430					٠.
		FR. RIVIERA, LIGURIAN S.	9	46	3.95	2	2	91042					<u> </u>
		GULF OF LIONS, PYRENNES	. ON	46	•	오	z	19910429			222		
602	3 FRANCE	FR. RIVIERA, ALPS, PO V.	43.5N 7.0E	46.4N	3.9E 5.6E	30 LO 100	Z Z 00 2	19910429	132300	138 2		52 18	
1		٠.	5		٠.			10001661				1	,

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	ER	NADIR								SUN	2	
2	۳	GEOGRAPHIC NAME	- [LA1		٩٦	1	리	w		DATE	GMT	AL A	AZ	ᇳ	۳.
604	23	FRANCE	TOULON, SHIP WAKES	43.0N	6.0E 39	9 N6.6	•	0 00	250 N Y	Y 1991	910501 1	131100	135	227	28	20
809	44	FRANCE	GARONNE RIVER MOUTH	43.0N	2.0E 39	3.2N 2	. 8E 7	2	250 N N	N 1991	19910502 1	130300	135	221	61	99
610	27	GAMBIA	GAMBIA RIVER, BANJUL	13.5N	16.5W 13	. 3N 1	. 4W	0 L0 2	250 N Y		19910430 1	162600	137	278	39	36
7.1	4	GERMANY	BALTIC SEA-N OF HAMBURG		5E	.3N 1	. 7E	ž	z	N 1991	19910428 1	115543	118	195	49	7
7.1	9	GERMANY	STRALSUND	54.5N	0E	. 8N 1		ş	z		19910428 1	115602	119	198	49	7
74	62	GERMANY	NEAR COBERG, MAIN RIVER		. OE	. 2N		2	z			093423	146	129	42	129
74	63	GERMANY	. MAIN	50.5N	. 5E	N6.	9.4E 7	2	z	Y 1991	19910506 (093432	146	130	43	129
74	64	GERMANY	REUTH		90.	. 7N 1	. 0E	2	z	Y 1991	9910506	093439	146	130	43	129
74	65	GERMANY		90.0N	. 5E	.5N 1	. 6E	2	_	199	9910506 (093445	146	131	44	129
74	99	GERMANY	CP NORTH OF PLZEN	50.0N	14.0E 51	1.1N 11	.5E	L0 2	20 0)	۲ 199	9910506 (093456	146	132	44	129
74	67	GERMANY	VTAVA RIVER-NEAR BECHYNE	49.5N	14.0E 51	1.0N 11		T0 5	50 0 \	r 199	9910506	093458		132	4	129
74	89	GERMANY	VTAVA RIVER-NEAR BECHYNE	49.5N	14.5E 50.).9N 12	. 0E	85 LO 2	250 0)	۲ 199	19910506 (093502	146	133	45	129
74	69	GERMANY	BECHYNE-TABOR-VSECHOV	49.5N		8N 1	. 3E	2	250 0 1		19910506 (093505	146	133	45	129
74	70	GERMANY	MANY LAKES-NEAR BECHYNE	49.0N	15.0E 50	J.6N 12	.8E	85 LO 2	250 0 \	Y 1991	19910506 (093511	146	134	45	129
74	7.1	GERMANY	NEAR WIEN	48.5N	15.0E 50	.3N 1	3.4E 8	80 LO 2	250 0 \	Y 1991	19910506 (093518	146	134	46	129
79	54	GERMANY	MAIN RIVER-NEAR WURZBURG	50.0N		N6.		20	z	•		071057		103	58	15
79	55	GERMANY	MAIN RIVER-AG PATTERNS	50.5N	9.5E 50	. 2N		2	z	N 199	19910429 (071104		104	30	15
87	95	GERMANY	REGENSBURG, DANUBE R.	NO. 6	12.0E 50	.3N 1	.9E	2	>	-		071106	14	104	30	15
96	96	GREFCE	PELOPONNISOS, NEAPOLIS	36.6N	3	7.4N 23		r0	2	N 199	_	112522		167		82
609	44	GREENLAND	SE COAST	61.0N	43.0W 55	5.6N 38	8.5W	75 HO 2	20 N	199	910505 (093200	141	93	22	112
84	1.7	GHTNFA RICCAH	OBANGO-OBENGOZINHO I	11 NO	16 014	S.	3	, NA 0	250 N P	100	9910501	161917	136	275	4 F	53
· •			ODANGO COMINGO II.	•	3 3		•	}	: 2			161025		375	9	3 5
	2 -		Applitude ACO DOS BIJACOS	5 6		1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		2	2 2		1000	101323		275	9 4	3 5
90	1 8	GUINEA BISSAU	3 8	20.11	10.04	2 2	10.4 10.4		250 25		18810501	161014		275	9 4	2 5
9	9			10 6N		2 2	3 3	3 5	: z			161927	136	276	45	3 6
610	2 %	GUINEA BISSAU	TRIS	11.01	. 3	2 2	4	3 9	: z	-		162600		278	2 2	38
610	31	_	: S	:		. P.	7	2	: z			162800	• -	283	8 6) (C
610	32	5	SHIP WAKE			.6N		2	z			162800	137	283	33	36
610	33	GULF OF GUINEA	SHIP		(**)	. 2N	4 ×	2	z	N 1991	9910430	162900	137	285	30	36
610	34	GULF OF GUINEA	SUNGLINT, SHIP WAKE		e)	. 2N	. 4K	25 LO 2	20	1991	10430	162900	137	285	30	36
610	35	GULF OF GUINEA	SUNGLINT, SHIP WAKE		(4)	~	3. 4W	2	250 N N	7	9910430	162900	13	285	30	36
610	36	GULF OF GUINEA	돐		.	0.25 6	. 5W	2	2	-	9910430	163000	137	287	23	36
909	51	9		8 8	56.5 E			2	z	>						
909	25	GULF OF OMAN	SHIP WAKES, INT. WAVES	S.	58.0E		•	2	z	,						
72	91	HAITI	F HISPANIO	N 0.				웆	Z	z						
74	83	HUNGARY	•	. 5N	. 0E	. 1N 1	. 1E	2	0			093551		138		159
74	8	HUNGARY	BALA	47.5N	. OE	8 8	띯 :	2	0			093553		138		129
4 :	က လ	HUNGARY	AKE	•	H	NO.	. 4E	9	0	Y 1991		093555		138		129
4 7	20 c	HUNGARY	VESZPREM, LAKE BALATON	47.0N	18.0£ 48	3.9N 16	. e	2 0 7 02	250 0 7	1991	19910506	093557	145	138		129
*	ò	DONGARI	<u>.</u>	• 1	5	2	3		2 00	881	ı	700560	2	3	2	87

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENT		IR						SIIN	
귍	æ	GEOGRAPHIC NAME		LAT		α	CC TL FL E	S DAT		GMT A	L AZ		
74	88	HUNGARY	DANUBE RVIRANYOSDULO	46.0N	19.0E 48.4N		LO 250	7					
7.4	6	HUNGARY	NWAY			18.4E		z	19910506 093				₩
82	54	HUNGARY	L.BALATON-WEST END, AGR.	46.7N	17.2E 47.0N	17.8E	70 NV 250 N			113853 1	141 190	0 54	1 50
6	က	HUNGARY	FRAME TOO DARK, CLOUDY		49.3N	21.0E	70 LO 250 N			115208 1	144 211	11 51	18
11	35	INDIA	VERY DARK-UNDEREXPOSED		22.8N	70.3E	9	>			141 7		2 11
11	36	INDIA	RANN OF KUTCH AREA-DARK		22.9N	70.4E	10 250	>					
77	37	INDIA	OF KUTCH		23.2N	70.6E	10 250	>					2 11
77	38	INDIA	OF KUTCH		, m	70.9E	250	-				75	
77	39	INDIA	OF KUTCH		24.0N	71.2E	LO 250	2					
77	40	INDIA	OF KUTCH		24.2N		LO 250	z					
77	41	INDIA	RANN OF KUTCH ARFA-DARK		24 AN	71 SF	11 0 2 0 1 0	>	10 010429 011	010328 1	141 7	v.	-
: ;	: :		200		,	10.47	9 6	- ;					•
;;	4 c	INDIA	DRY SIREAM NEAR R. OF K	NO.07	72.0E 24.9N	/1.9E	70 220	- >				9 9	Ξ;
: !	? :	Y TOUT	SI REA	NO. 62		/2. IE	10 720	- :					
<i>:</i>	44	INDIA	_		25.6N	72.4E	LO 250	z					
77	45	INDIA	AREA NEAR JODHPUR-DARK		26.	72.7E	LO 250	z					
11	46	INDIA	NEAR JODHPUR	26.0N	26.	•	LO 250	Z					
77	47	INDIA	STREAM NEAR SAMBAR S.L.	27.0N		73.4E	0 LO 250 U			010414 1	141 7		6 11
7.7	48	INDIA	NEAR	27.5N	75.5E 27.4N	73.8E	2	Y 19910429		010424 1	141 7		
11	49	INDIA	SAMBAR SALT LÄKE	27.0N	28	74.4E	5 LO 250 U	7	9910429 010	010438 1	141 7	77	7 11
11	20	INDIA	SAHARANPUR-FRONT OF HIM.	30.0N	77.0E 29.5N	75.5E	0 LO 250 U	Y 19910429		010504 1	142 7	78	11
	;		1	;							,		
-	51	INDIA	R FRONT OF	30.5N	9	75.8E	2	-	_			-	
77	25	INDIA	YAMUNA RFRONT OF HIM.	30.5N	77.0E 30.3N	76.2E	0 NV 250 U			010519 1	142 7		9 11
77	53	INDIA	YAMUNA RFRONT OF HIM.	30.5N	77.5E 30.7N	76.6E	0 NV 250 U			010528 1			
77	54	INDIA	PANGONG LAKE-HIMALAYA R.	33.5N	80.0E 33.2N	78.8E	0 LO 250 N			010616 1	142 8	81 12	
80	58	INDIA	SALT PAN NEAR LITTLE RAN		23.6N	73.7E	5 LO 250 N	_		103132 1			17
80	59	INDIA	COAST-NORTH SAHYADRI	20.0N	73.0E 19.7N	76.4E	0 LC 250 N	N 19910429		103244 1	139 273	3 37	
86	22	INDIA	PAKISTAN, HIMALAYA MTNS	35.0N	74.0E 34.3N	•	LO 250	z	9910430 010	010011	141 7	&	3 27
88	28	INDIA	RIVER, DESERT AREA				30 LO 100 O	_					
88	53	INDIA	RIVER, DESERT AREA				40 LO 100 O	2					
88	30	INDIA	RIVER, DESERT AREA				35 LO 100 O	z					
88	31	AIGNI	RIVER. DESERT AREA				45 LO 100 O	*					
8	33	ATOM	HILLS				100	: 2					
88	33	AIONI	DECCAN PLATEAU				100						
80	34	ATONI					100	: 2					
8 80	35	AIDNI	EAST COAST				100						
88	36	AIONI	EAST COAST				10 100	: 2					
88	37	INDIA	EAST COAST				LO 100						
88	38	INDIA					LO 100	z					
88	39	INDIA	EAST COAST				LO 100						
88	40	INDIA	EAST COAST					z					

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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ã	ar u	GEOGRAPHIC NAME	FFATURE	CENTER I AT I ON	NADIR I AT I ON		ננ בו	<u>.</u>	S DATE	GMT		AZ SUN EL		8
8	4.1	INDIA	FAST COAST				<u> </u>	0		1				
88	42	INDIA	EAST COAST			-	유	0	: 2					
68	86	INDIA	2	5N 69				z	N 19910430	102456 13	38 2	266 4	45 3	
89	66	INDIA		70	22.2N	70.7E	2	Z	-		&			33
88	100	INDIA	Œ		21.4N		2	Z	N 19910430	102522 1				<u>س</u>
88	101	INDIA	VERAVAL AREA	21.0N 70.5E	20.5N	71.9E		Z						<u>س</u>
88	102	INDIA	GULF OF KHAMBHAT AREA		19.8N	. 4E	P0	z	N 19910430	102551 1			က	6
68	103	INDIA	VALSAD AREA	N.	19.3N 72	. 7E	2	Z	N 19910430					က
88	104	INDIA	AREA AROUND TARAPUR	20.0N 73.(19.0N 72	.9E	2	50 N	N 19910430	102606 1		_		6
68	105	INDIA	BOMBAY AREA	19.2N 73.(18.5N 73	. 2E	30 LO 2	50 N	N 19910430			272 4		<u>س</u>
68 —	106	INDIA	REA	73	17.8N 73	. Æ		z	N 19910430			~		က
<u>8</u>	107	INDIA	AREA SE OF PUNE	18.3N 74.	15.9N 74	.9E	0 10	Z	-			ري م		<u>س</u>
80	108	INDIA	MALVAN AREA		15.4N			2	N 19910430	102711 1				က္
68	109	INDIA	MANGALORE AREA	13.2N 74.9E	12.5N	0E	60 LO 2	N 057	N 19910430	102802 1	137	278 3	37 3	6
68	110	INDIA	AREA SW.MYSORE	76	11	. 4E	2	z	N 19910430	102814 1				33
68	111	INDIA	MTNS.N.OF COIMBATORE	11.4N 76.	77	. 7E	10 LO 2	250 N I	N 19910430	102822 1	137	279 3		က
88	112	INDIA	8	10.4N 76.	10.0N 78	.6E	2	Z	N 19910430	102848 1	137 2	280 3		65
88	113	INDIA	AREA AROUND COCHIN	9.8N 76.5E	9.3N 79	9	2	250 N I	N 19910430	102900 1				63
89	114	INDIA	AREA AROUND ALLEPPEY	9.4N 76.	.8N 79	. 2E	70 LO 2	z	N 19910430	102908 1		280 3	34	65
68	115	INDIA	RAMANATHAPURAM AREA	.3N 78	.4N 79	5E	40 LO 2	90 N	N 19910430	102916 1	137	281 3		65
. :				i	:									,
68	116	FIGNI			8.0N 79	. Æ	2	z						5
88	117	INDIA	S.TIP OF INDIA	4N 77	7.7N 79	9E	2	Z						33
151	88	INDIA	STR		9.5N 82	.8E		z	N 19910429	103545 1				7
151	548	INDIA		22.5N 70.5E	23.8N 69	.6E		2	N 19910430	102437 1	139 2	265 4	46 3	5
151	54 C	INDIA	Ħ		23.0N 70	. 1E	2	Z	Y 19910430	102451 1				<u>ب</u>
151	540	INDIA	GULF OF KHAMBHAT		22.4N 70	. 6E	2	Z	Y 19910430	102503 1	139 2	267 4	45 3	3
151	55	INDIA	GULF OF KHAMBHAT	5N 72	.5E 21.6N 71.	71.1E	2	z	Y 19910430	102517 1	138 2	268 4		<u>ლ</u>
151	99	INDIA	CITY OF SURAT	0N 73		71.5E	0 0.0		Y 19910430	102526 1	138 2	269 4	44	33
151	23	INDIA		20.0N 73.	.5N	71.9E	2	Z	Y 19910430	102537 1	138 2	269 4	43 3	<u>س</u>
151	28	INDIA	WESTERN GHATS, BOMBAY	19.0N 73.	.5E 19.7N 72.	. 4E	5 LO 2	20 N	Y 19910430	102552 1		70 4	က	<u>س</u>
151	59	INDIA	WESTERN GHATS, PUNO	18.0N 74.5E	19.1N 72	8E	5 LO 2	250 N	Y 19910430	102602 13	138 2	271 4	2	~
151	9	INDIA		18.0N 74.5E	18.6N		9	Z	Y 19910430	102612 1			42 3	67
151	61	INDIA		5N 7	17.9N		2	Z	Y 19910430					<u>س</u>
151	62	INDIA	DECCAN PLAT., BHIMA R.	5N 7	17,4N 73		2	2	Y 19910430	102633 1		~	41 3	د،
151	63	INDIA	LAT., BHIMA	_	16.9N 74		2	250 N						. 62
151	64	INDIA	•	5N 7	16.4N 74		2	Z	•					دن
151	65	INDIA	٥.	. 5N 7	15.8N 75		2	z						6.5
151	99	INDIA		_	15.2N 75		2	250 N)	Y 19910430			275 3		33
151	66A	INDIA	DECCAN PLATEAU	14.0N 76.0E	14.8N 75			Z		102722 13		ဟ		
151	66B	INDIA	DECCAN PLATEAU		14.1N 76		2	250 N)	Y 19910430	_	138 2			<u>س</u>
			1							П	ı		1	,]

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				l	MADTO				ا	2	
됩	æ	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT	CC TL FL E	S DATE	GMT AL	AZ	JONE L	OR
151	299	INDIA	BANGALORE, EASTERN GHATS 1	12.5N 77.0E		LO 250 N	>				
151	67	INDIA	ATS, STANLEY L	NO.	2.9N 76.8E	15 LO 250 N	Y 19910430 1	102754 137	277	38	33
151	67A	INDIA	CAUVERY R			LO 250 N	-				
151	68	INDIA	GHATS, CAUVERY R		1.7N 77.5E	LO 250 N	Y 19910430 1	102815 137	278	37	33
151	69	INDIA	GHATS, CAUVERY R	78.5E	.1N 77.	250 N		102826 137	279	36	33
151	70	INDIA	MANNAR GULF	79.0E	.6N 78	LO 250 N	Y 19910430 1	102835 137	279	36	33
151	7.1	INDIA	S	ON 79.5E	N O.	LO 250 N	19910430	102846 137	280	35	33
151	73	INDIA	STRAIT	.5N 80.0E	9.3N 78.9E	LO 250 N				35	33
601	20	INDIA	R., RANN OF KUTCH	70.0E 2	38	100 N	19910429	103100 138		41	16
601	22	INDIA	UTCH, INDUS R.	72.0E	.3N 72	HO 100 N	19910429	103100 138		41	16
į	•				;					:	
601	53	INUIA	OF KUICH, W. GHAIS	/1.0E	3/ NS	N 1001				4.	91
601	24	INDIA	OF KUTCH, W. GHATS	71.0E	3N	HO 100 N	19910429			41	16
601	52	INDIA	OF CAMBAY, KUTCH		.1N 74	100 N	19910429			36	16
601	56	INDIA	OF CAMBAY, KUTCH	72.0E	.1N 74	HO 100 N	19910429			38	16
601	27	INDIA	OF CAMBAY, W. GHATS	20.5N 73.0E 22		HO 100 N		-		38	16
601	28	INDIA	OF CAMBAY, W. GHATS	74.0E	.1N 74	100 N	19910429			39	16
601	59	INDIA	CAMBAY, W. GHATS	74.0E	.8N 77	HO 100 N	19910429			36	16
601	30	INDIA	N GHATS	.0E	3.8N 77.1E	HO 100 N	19910429	103300 138		36	16
601	31	INDIA	WEST. GHATS, DECCAN PLAT 1	75.0E 1	.5N 79.	HO 100 N	19910429	103400 138		34	16
601	32	INDIA	DECCAN PLAT	15.0N 75.5E 18	5.5N 79.2E		19910429	103400 138	277	34	16
											-
601	33	INDIA	GHATS, DECCAN	76.5E	.1N 81.	HO 100 N	19910429			31	16
601	34	INDIA	, DECC	78.0E	. T	HO 100 N	19910429			31	16
601	35	INDIA	DECCAN PLAT., E. GHATS 1		.1N 81.	HO 100 N	19910429			31	16
601	37	INDIA	PALK STRAIT	9.0N 79.0E 12	.1N 81.	HO 100 N	19910429	103500 138		31	16
601	40	INDIA		78.0E	.7N 83.	HO 100 N	N 19910429 1		~	28	16
603	æ	INDIA	VALE OF KASHMIR	75.0E	.5N 74	LO 100 U	19910430	010000 139		ထ	56
603	6	INDIA	KARAKORAM RANGE	2.0N 79.0E	.5N 77	HO 100 N	19910430	010100 139		12	56
603	59	INDIA	GULF OF KHAMBHAT	.0E	.4N 72.	HO 100 N	19910430			42	32
603	90	INDIA	WESTERN GHATS	. SE	.1N 74.	LO 100 N	19910430	102700 137		40	32
603	61	INDIA	WESTERN GHATS	14.0N 75.5E 16	B.1N 74.8E	_	N 19910430 1	102700 137	276	9	32
603	62	INDIA	WESTERN GHATS	12.0N 75.0E 12	2.7N 76.9E	35 HO 100 N	N 19910430 1	102800 137	279	37	32
603	63	INDIA	WESTERN GHATS, S. COAST	77.0E	9.4N 78.9E		19910430	102900 137	281	34	32
605	31	INDIA	KISTNA R.		1.0N 79.0E		19910504	082600 143	263	65	96
605	32	INDIA	EASTERN GHATS, KISTNA R. 1	79.0E	21.0N 79.0E	250 N	N 19910504 0	082600 143		65	98
605	33	INDIA	EASTERN GHATS, PENNER R. 1	14.5N 80.0E 21	21.0N 79.0E	LO 250 N	19910504	082600 143		65	95
605	34	INDIA	EASTERN COAST, SH. ARM	21	. NO.	LO 250 N	19910504	082600 143		65	99
605	35	INDIA	_	18.0N 81.0E 21	.0N 79.	HO 250 N	910504			65	98
909	36	INDIA	RN COAST,	-	4.4N 83.3E	HO 250 N	19910504	082800 143	277	90	92
909	15	INDIA	STORM			9	2				
909	12	INDIA	LAND USE, RIVER CHANNELS			5 LO 100 N	2				

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

14 INDIA	RL F	FR GE	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LON		CC TL	FL E	S DATE		GMT #	AL /	AZ SUN		a B
16 INDIA			DIA	RIVER			1	۲0		Z						
1001A			DIA	RIVER			4-4	2	100 N	z						
1001A			DIA	RIVER			_	2	100 N	z						
1001A			DIA	1. HIRAKUD RES	82		-	2	100 N	z						
1001A DECCAN PLATEAU 16.5N 80.5E 18.3N 76.4E 10 1ND1A 1010A 11.1N 6.0E 10.5N 10.4E 10 1ND1A 10.0DA 1			DIA		8		~	2	100 N	Z						
The color of the			DIA	ᇍ		18.3N		2	250 N	N 19910505		082200				111
INDIA CEAN CLOUDS-SUNGLINT-OVEREXP 16.0N 80.5E 18.3N 76.4E 5			DIA	R		18.3N		2	250 N	N 19910505		082200		268		111
66 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREYP. 1.7N 64.6E 25 67 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREYP. 2.55 67.0E 35 69 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 2.55 67.0E 35 71 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 3.7S 67.7E 35 72 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 3.7S 67.7E 65 73 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 6.6S 69.4E 60 64 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 6.5 68.7E 60 65 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 6.5 68.7E 60 66 INDIAN OCEAN STRUCTURE CLOUDS-SUNGLINT-THUNDERSTORMS CLOUDS-SUNGLINT-THUNDE			DIA	KISTNA RIVER DELTA		18.3N		2	250 N	Y 19910505		082200	142	268	-	111
67 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 68 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 70 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 71 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 72 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 73 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 74 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 75 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 76 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 77 INDIAN OCEAN SUNGLINT-THUNDERSTORMS CLOUDS-SUNGLINT-OVEREXP. 78 INDIAN OCEAN SUNGLINT-THUNDERSTORMS CLOUDS-SUNGLINT-THUNDERSTORMS CLOUDS-SUNGLIN				CLOUDS-SUNGLINT-OVEREXP.				皇	250 0	Y 19910429		120742 1	138	284		18
INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP 2.55 67.0E 35 67.0E				CLOUDS-SUNGLINT-OVEREXP.		. 1N 65		皇	250 0	Y 19910429		120753	138	285	21 1	18
Fig. 19	80	38 IN		CLOUDS-SUNGLINT-OVEREXP.				오	250 0	N 19910429	-	120828				- 80
10 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 3.75 67.7E 35				CLOUDS-SUNGLINT-OVEREXP.		. 58		2	250 0	Y 19910429		120857	138	286	18 1	18
71 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 5.45 68.7E 60 72 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 6.65 69.4E 60 15.3 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 6.65 69.4E 60 15.3 INDIAN OCEAN CLOUDS-SUNGLINT 25.1S 54.7E 40 64 INDIAN OCEAN SUNGLINT THUNDERSTORMS 2.6N 82.9E 25 65 INDIAN OCEAN SUNGLINT THUNDERSTORMS 0.8S 84.8E 35 67 INDIAN OCEAN SUNGLINT THUNDERSTORMS 0.8S 84.8E 45 69 INDIAN OCEAN SUNGLINT THUNDERSTORMS 0.8S 84.8E 55 70 INDIAN OCEAN SUNGLINT THUNDERSTORMS 14.3S 92.8E 55 20 INDIAN OCEAN SUNGLINT CLOUDS 21 INDIAN OCEAN SUNGLINT LOUDS 22 INDIAN OCEAN SUNGLINT CLOUDS 23 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 45 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 35 35 INDIAN OCEAN ATH				CLOUDS-SUNGLINT-OVEREXP.		.75		오	_	Y 19910429		120919		286	17 1	18
72 INDIAN OCEAN CLOUDS-SUNGLINT-OVEREXP. 6.65 69.4E 60 27 INDIAN OCEAN CLOUDS, VEY DARK 25.15 49.7E 10 15.3 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 80.9E 25 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 82.9E 25 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 35 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 45 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 45 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 92.8E 35 70 INDIAN OCEAN SUNGLINT, CLOUDS 17.6S 94.9E 80 20 INDIAN OCEAN SUNGLINT, CLOUDS 17.6S 94.9E 80 21 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 45 22 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E				CLOUDS-SUNGLINT-OVEREXP.				오	250 0	-		120949				<u></u>
27 INDIAN OCEAN OCEAN STRUCTURE 13.35 49.7E 10 153 INDIAN OCEAN CLOUDS, VERY DARK 25.1S 54.7E 40 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 80.9E 25 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 30 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 45 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 45 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 92.8E 35 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 80 20 INDIAN OCEAN SUNGLINT, CLOUDS 17.6S 94.9E 80 21 INDIAN OCEAN SUNGLINT, CLOUDS 17.6S 94.9E 80 22 INDIAN OCEAN SUNGLINT, CLOUDS 17.4S 66.8E 45 33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E <t< th=""><th></th><th></th><th></th><th>CLOUDS-SUNGLINT-OVEREXP.</th><th></th><th></th><th></th><th>오</th><th>250 0</th><th>Y 19910429</th><th>•</th><th>121011</th><th>138</th><th>286</th><th></th><th>18</th></t<>				CLOUDS-SUNGLINT-OVEREXP.				오	250 0	Y 19910429	•	121011	138	286		18
153 INDIAN OCEAN CLOUDS, VERY DARK 64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 60 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 60 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 61 INDIAN OCEAN SUNGLINT, CLOUDS 62 INDIAN OCEAN SUNGLINT, INT. WAVES 63 INDIAN OCEAN THUNDERSTORMS 64 46 65 INDIAN OCEAN SUNGLINT, CLOUDS 66 86 86 96 86 67 INDIAN OCEAN THUNDERSTORMS 68 INDIAN OCEAN THUNDERSTORMS 69 INDIAN OCEAN SUNGLINT, CLOUDS 60 86 86 86 60 86 86 86 60 86 86 86 60 86 60 86 86 60				OCEAN STRUCTURE				2							47 11	114
64 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 6.0N 80.9E 25 65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.6N 82.9E 25 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 35 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 45 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 14.3S 92.8E 35 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 86 20 INDIAN OCEAN SUNGLINT, CLOUDS 20 20 21 INDIAN OCEAN SUNGLINT, CLOUDS 25 22 INDIAN OCEAN SUNGLINT, CLOUDS 25 33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET				CLOUDS, VERY DARK				2	250 U	N 19910430	-	133824				35
65 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 2.6N 82.9E 25 66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 30 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.8S 84.8E 35 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 80 19 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 80 20 INDIAN OCEAN SUNGLINT, CLOUDS 22 17.6S 94.9E 80 21 INDIAN OCEAN SUNGLINT, CLOUDS 25 25 25 22 INDIAN OCEAN SUNGLINT, CLOUDS 25 25 23 INDIAN OCEAN THUNDERSTORMS 9.0S 66.8E 45 33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0								오		-	•				31	32
66 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 84.8E 30 67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 84.8E 35 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.25 86.8E 55 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 80 19 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 80 20 INDIAN OCEAN SUNGLINT, CLOUDS 20 20 20 21 INDIAN OCEAN SUNGLINT, CLOUDS 25 24.9E 80 22 INDIAN OCEAN SUNGLINT, CLOUDS 25 25 20 23 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 45 33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 34 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0						.6N 82		皇	100 N	N 19910430	•	103100				32
67 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 68 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 70 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 72 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 73 INDIAN OCEAN SUNGLINT, CLOUDS 24 INDIAN OCEAN SUNGLINT, CLOUDS 25 INDIAN OCEAN SUNGLINT, CLOUDS 26 SH 96 80 27 INDIAN OCEAN SUNGLINT, CLOUDS 33 INDIAN OCEAN THUNDERSTORMS 34 INDIAN OCEAN THUNDERSTORMS 35 INDIAN OCEAN THUNDERSTORMS 36 INDIAN OCEAN THUNDERSTORMS 37 INDIAN OCEAN THUNDERSTORMS 38 INDIAN OCEAN THUNDERSTORMS 39 INDIAN OCEAN THUNDERSTORMS 30 INDIAN OCEAN THUNDERSTORMS 31 INDIAN OCEAN THUNDERSTORMS 32 INDIAN OCEAN THUNDERSTORMS 33 INDIAN OCEAN THUNDERSTORMS 40 INDIAN OCEAN THUNDERSTORMS 41 INDIAN OCEAN THUNDERSTORMS 42 INDIAN OCEAN THUNDSPHERIC LIMB, SUNSET 43 INDIAN OCEAN THUNDSPHERIC LIMB, SUNSET 41 INDIAN OCEAN THUNDSPHERIC LIMB, SUNSET 41 INDIAN OCEAN THUNDSPHERIC LIMB, SUNSET 41 INDIAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDAN OCEAN THUNDSPHERIC LIMB, SUNSET THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDERSTORMS THUNDAN OCEAN THUNDAN OCEAN THUNDERSTORMS THUNDAN OCEAN THUNDERSTORMS THUNDAN OCEAN THUNDERSTORMS THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDERSTORMS THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDERSTORMS THUNDAN OCEAN THUNDAN OCEAN THUNDAN OCEAN THUNDAN O						.8S 84		웆	100 N	N 19910430		103200	137	287	25	32
NOTAR OCEAN SUNGLINI, THUNDERSTORMS 0.05 04.0E 55 05 05 05 05 05 05 05 05 05 05 05 05						70	u	9	9	001001			101	700	u	
69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 0.85 84.8E 45 69 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 4.25 86.8E 55 71 INDIAN OCEAN SUNGLINT, THUNDERSTORMS 17.6S 94.9E 80 20 INDIAN OCEAN SUNGLINT, CLOUDS 20 21 INDIAN OCEAN SUNGLINT, CLOUDS 25 22 INDIAN OCEAN SUNGLINT, CLOUDS 25 32 INDIAN OCEAN THUNDERSTORMS 9.0S 66.8E 45 33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S						20.		2 :								7 .
INDIAN OCEAN SUNGLINT, THUNDERSTORMS								⊋ 9								7.5
INDIAN OCEAN SUNGLINT, THUNDERSTORMS								₽ 9					13/		22	32
100 100								운		-						32
19 INDIAN OCEAN SUNGLINT, CLOUDS 20 INDIAN OCEAN SUNGLINT, ELOUDS 21 INDIAN OCEAN SUNGLINT, CLOUDS 22 INDIAN OCEAN THUNDERSTORMS 32 INDIAN OCEAN THUNDERSTORMS 34 INDIAN OCEAN THUNDERSTORMS 35 INDIAN OCEAN THUNDERSTORMS 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40 BS 92.3E 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 40 BS 92.3E 40 BS 92.3E 40 BS 92.3E 40 BS 92.3E 41 BS 96.0E						.6S 94.		오		N 19910430		103700	137	289	10	32
20 INDIAN OCEAN SUNGLINT, INT. WAVES 20 21 INDIAN OCEAN SUNGLINT, CLOUDS 25 22 INDIAN OCEAN THUNDERSTORMS 25 32 INDIAN OCEAN THUNDERSTORMS 9.05 66.8E 45 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				•			~	2	100 N	z :						
21 INDIAN OCEAN SUNGLINT, CLOUDS 25 22 INDIAN OCEAN SUNGLINT, CLOUDS 25 32 INDIAN OCEAN THUNDERSTORMS 9.05 66.8E 45 34 INDIAN OCEAN THUNDERSTORMS 12.45 68.9E 40 35 INDIAN OCEAN THUNDERSTORMS 12.45 68.9E 40 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0							7	2		z						
22 INDIAN OCEAN SUNGLINT, CLOUDS 25 32 INDIAN OCEAN THUNDERSTORMS 9.05 66.8E 45 33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0							2	9		z :						
32 INDIAN OCEAN THUNDERSTORMS 33 INDIAN OCEAN THUNDERSTORMS 34 INDIAN OCEAN THUNDERSTORMS 35 INDIAN OCEAN THUNDERSTORMS 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 38 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 42 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0								2								
33 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 40 34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 35 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				THUNDERSTORMS		.0S 66		웆	100 N	N 19910430		120400	137	289	18	33
34 INDIAN OCEAN THUNDERSTORMS 12.4S 68.9E 35 35 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				THUNDERSTORMS		.45 68		오	100 N	N 19910430		120500	137	289	15 3	33
35 INDIAN OCEAN CLOUDS, SUNGLINT 15.85 70.9E 40 36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 38 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				THUNDERSTORMS				皇	100 N	N 19910430		120500	137	289	15 3	33
36 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 38 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				S				오	100 N	N 19910430	•	120600 1	137	289	12 3	33
37 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 38 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				IC LIMB,				오	100 N	N 19910430		121400		- 112		33
38 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 40.8S 92.3E 0 39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				IC LIMB,				全	100 N	N 19910430		121400 1	137	- 112	-14 3	23
39 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0 41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				LIMB,				웆							-14 3	<u>۳</u>
40 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				LIMB,				오	100 N	N 19910430	•				-18 3	33
41 INDIAN OCEAN ATMOSPHERIC LIMB, SUNSET 43.5S 96.0E 0				LIMB,				皇		•						33
C Le CC CL CY				LIMB,		. 5S		웆		N 19910430				•		<u>۔</u>
42 INDIAN OLEAN AIMOSPHERIC LIMB, SUNSEI 43.55 98.0E U	607		DIAN OCEAN	ATMOSPHERIC LIMB, SUNSET		43.55 96.		0 HO 1	100 N	N 19910430	•	121500 1	137	274 -	-18	53

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR						S		Γ
2	æ	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT LON	11 22	ᆈ	DATE	~1	- 1			æ
607	43	INDIAN OCEAN	ATMOSPHERIC LIMB, SUNSET			유	100 N N	19910430			1		33
81	97	INDIAN OCEAN ISLAND	ILES GLORIEUSES	11.6S 47.3E	12.1S 48.9E	0 0	250 N N	19910505	113019	141 2			4
7.4	34	INDONESIA	NEW GUINEA-SELE STRAIT	1.0S 131.0E		25 LO 2	250 N N	19910506	052350 1	141 2		58 126	9
74	35	INDONESIA	NEW GUINEA-NW END	1.5S 132.0E			250 N N	19910506	052353	141 2			9
74	36	INDONESIA	NEW GUINEA-RIVER EFFLUET	2.5S 132.5E		40 LO 2	250 N N	19910506	052405 1	141 2		57 126	9
74	37	INDONESIA	NEW GUINEA-BINTUNI BAY	2.5S 133.0E	4.5S 131.1E		250 N Y	19910506	052409	141 2		57 126	9
74	38	INDONESIA	NEW GUINEA-BINTUNI BAY	2.0S 34.0E	4.6S 131.2E	75 LO 2	250 N Y	19910506	052411	141 2		57 126	9
74	39	INDONESIA	NEW GUINEA-ONIN PENINSUL		4.9S 131.4E	60 LO 2	250 N N	19910506	052417	141 2		56 126	9
74	40	INDONESIA	ARU ILSWORKAI ISLAND	6.5S 134.5E	8.7S 133.6E	80 LO 2	250 N N	19910506	052525	141 3		-	9
80	ဖ	INDONESIA	WEST NEW GUINEA-N COAST	1.0S 134.0E	.3S 134.0E	55 NV 2	250 N N	19910429	073931	138 2	285 1	19 1	15
8	33	INDONESIA	SUMATERA-BELITUNG ISG		5.78			19910429	091042		286 1		
84	46	INDONESIA	FLORES, PALU I, PERI VOLC.	8.8S 121.7E	6.2S 122.4E	15 LO	250 N Y	19910503	071025	135 2	281 5	50 7	79
84	47	INDONESIA	FLORES, PALU I, PERI VOLC.		6.98	15 LO	250 N Y	19910503	071037				79
84	43	INDONESIA	FLORES/STRAIT, SOLOR I.	8.5S 122.8E		50 LO 2	250 N N	19910503	071052	135 2	283 4	49 7	79
88	103	INDONESIA	SINGAPORE	1.5N 104.0E		2	>						
88	104	INDONESIA	RIVERS, AGRICULTURE			2							
88	105	INDONESIA	BAY, SEDIMENT			2	>						
88	106	INDONESIA	$^{\circ}$			2	=						-
88	107	INDONESIA	- 7			2	250 U N						
88	108	INDONESIA	COASTAL AREA, VILLAGES			55 LO 2	250 U N						•
8	9	TWOONESTA	SACETY ASSA LATORCO			26	250 H						
2 6	001	TICONC STA	, ,			2 5	> :						
8 8	011	INDONESTA	AKEA,			3 :	- :						
æ ;	111	INDONESIA			,	2 .		00,000			,	•	•
101		INCONESTA		25	20.0	3 :	2 :	19910430					<u> </u>
151	25	INDONESIA		7.0S 110.5E	6.75	40 CO	Z	19910430					35
603	9	INDONESIA				25 HO	2	19910430					<u> </u>
603	35	INDONESTA				오 :	2		•				31
603	36	INDONESIA	UNDERSTORMS		9.58 112	웆	z						-
71	22	IRAN			31.0N 49	⋛	Z						7
71	99	IRAN	NEAR AHVAZ-KARKHEH R.	31.5N 48.5E	30.9N 49.2E	70 NV 2	250 N Y	19910428	120458	137 2	292	2	7
7.1	57	IRAN	NW OF AHVAZ-KARUN RIVER	31.5N 49.0E	30.5N 49.6E	80 NV 2	250 N Y	19910428	120506 1	137 2	262 4	9	~
7.1	28	IRAN	WATER, COAST-PER G		30.2N	≩	250 N Y	19910428	120513 1	137 2			2
7.1	69	IRAN	ATER, COAST-PER G		30.0N	9						39	2
7.1	9	IRAN	TREAM-PERSIAN G		29.9N	2 8	250 N Y	19910428	120518 1	137 2			7
72	54	IRAN	DELTA, AGRICULT.			2	Z						
72	55	IRAN	R. BASIN			2	_						
72	99	IRAN	TIGRIS R. BASIN	31.5N 48.5E			250 N Y						
72	57	IRAN	TIGRIS R. BASIN			2	250 N Y						
72	28	IRAN	TIGRIS R. BASIN	32.0N 48.0E			250 N Y						
11	80	IRAN	LAKES TASHK&BAKHTEGAN	29.5N 54.0E	25.4N 49.5E	85 LO 2	250 N N	19910429	023323 141	141	9/	4	12
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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTED		17.0						10	2	Γ
균	F	GEOGRAPHIC NAME	FEATURE	LAT	N LAT LO	LON	CC 71 F	FL E S		GMT	AL	AZ A	EL	OR
17	2	IRAN	LAKES TASHK&BAKHTEGAN	30.0N 53	5E	જ	50 LO 2	250 N N	19910429	9 023412	142	11	1	12
82	87	IRAN	Z, COAST	26.0N 57	.0E 24.2N	58.3E	0 10 2	250 N N	19910503	3 100014	136	207	62	81
82	88	IRAN	I,CST		.4E 24.0N	58.4E	2	250 N N		3 100018	136	208	63	81
85	88	IRAN	I,CST	ON 56	.5E 23.	58.9E	2	250 N N	-		136	210	63	81
82	91	IRAN	I,CST	57	, OE 21.3N	60.3E	0	250 N N	19910503		136	216	63	81
86	20	IRAN	T FLATS	33.6N 52	. 5E	52.6E		250 N N	19910430		141	11	œ	28
86	51	IRAN	FLATS	34.0N 53	1.0E 34.3N	53.0E	2	250 N N	19910430		141	78	œ	28
86	52	IRAN	T FLAT	. 2N	•	53.3E	⋛	250 N N			141	78	∞	28
86	53	IRAN		35.0N 53	1.0E 34.9N	53.6E	2	250 N N	19910430	0 022957	141	78	တ	28
98	54	IRAN	AREA S. OF DAMGHAN	35.5N 54	.5E 35.3N	54.0E	L0	250 N N	19910430	0 023004	142	78	G)	28
98	5	IRAN	AREA S. OF DAMGHAN SALT	35.9N 54	4F 36 3N	55.0E	0 10 5	250 N N	19910430	0 023024	142	79	10	28
98	56	IRAN	ND EMAMRUD	4N 55	. 1E 36.	ູ່ເດ	2	Z			142	79	11	28
86	57	IRAN		56	.0E 37.	56.0E	2	250 N N	19910430		142	80	11	28
86	58	IRAN	, NEAR GONBADE QAB	55	.0E 37.	56.3E	2	250 N N	19910430	0 023048	142	80	::	28
98	59	IRAN	ER, CASPIAN SEA	37.0N 54	.0E 37.9N	56.7E	0 0 2	250 N N	1 19910430	0 023056	142	80	12	28
98	9	IRAN	NE IRAN, MOUNTAINOUS		.0E 38.2N	57.1E	≩	250 N N	1 19910430	0 023104	142	81	12	28
87	O	4 IRAN	=		33.6N	46.9E	20 10 2	250 U N	19910428	8 120412	136	258	42	7
87	ထ	IRAN	KARUN R, DARK	31.1N 48	1.0E 30.6N	49.5E	50 LO 2	250 U Y	19910428		137	262	40	7
87	o	IRAN	AGR.	31.0N 48	1.4E 30.4N	49.7E	60 LO 2	250 U Y	19910428	8 120518	137	262	40	7
87	10	IRAN	KARUN R, AGR.	31.0N 48	1.3E 30.1N	50.0E	70 LO 2	250 U Y	19910428	8 120524	137	263	38	~
;				;	1			;				;		
87	14	IRAN	SPITS, PERSIAN GULF	Z O	.5E 26.	52.6E	~	-			138	267	37	7
- 87	15	IRAN	, PERSIAN GULF	8.	.6E 26.	52.7E	2	-	-	_	138	267	37	7
87	16	IRAN	MTNS, GULF	.8N 51	. 8E	52.9E	9	-	•		138	267	37	~
87	17	IRAN	S MTNS, GULF	.8N 52	0E	53.1E	2	-	19		138	268	37	7
603	53	IRAN	KOPET MTNS.	.ON 56	.0E 41.	53.3E	2	z			137	232	54	32
603	54	IRAN	OPET MTNS.	.ON 55	.0E 38.	56.8E	2	z	~		137	240	53	32
603	55	IRAN	., KARA KUM DES	.5N 58	. 0£	ω.	오	Z	19	•	137	240	53	32
603	99	IRAN	_	29	.5E 38.	æ	2	z	-		137	240	53	32
603	24	IRAN	YE SISTAN	.0N 61	.0E 32.	62.8E	20 LO 1(_	13		137	253	51	32
909	37	IRAN	ZAGROS MTS., AGRICULTURE	33.5N 50	.0E 35.9N	43.9E	2	250 N N	19910504	4 095100	142	212	29	96
605	38	IRAN	ZAGROS MTS., AGRICULTURE	33.5N 49	.0E 35.9N	43.9E	2	250 N Y	19910504	4 095100	142	212	67	96
605	39	IRAN	, DEZ R. RES.	0N 48	. 5E	46.9E	2	z	19910504		142	224	89	96
605	40	IRAN	, DEZFUL	32.5N 48	.5E 32.9N	46.9E	2	250 N Y	19910504	4 095200	142	224	89	96
605	41	IRAN	F AHVAZ	.0N 48	5E	46.9E	2	z	7		142	224	89	96
605	42	IRAN	RES., LKS. NE OF AHVAZ	. ON 50	.0E 32.9N	46.9E	2	z	19910504	4 095200	142	224	89	96
605	43	IRAN	5., 12ЕН	.ON 50	.0E	46.9E	2	z	19910504	4 095200	142	224	89	96
605	44	IRAN	75., 12ЕН	5N 50	.0E 32.		2	z			142	224	89	96
605	45	IRAN	AN, RAMHORMOZ	.5N 49	.5E 32.	•		Z	-		142	224	68	96
909	46	IRAN	MTS.	.ON 51	.0E 32.	46.9E	2	250 N N	_		142	224	68	96
605	47	IRAN	ZAGROS MTS.	30.5N 51	9	49.6E	2	20 N N	19910504	4 095300	143	235	89	96
; 				!										

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				0141100	l			l					ا		١
뒱	я. Ж	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		LAT LON	2	٦.	ES	DATE	GMT	٩٢	A2 80	Ja EL	8
805	84	IRAN	RUD-E KOR RIVER, RESER.	30.0N 52	52.0E 29.8N	49.6E	0 [2]	550	z	19910504	095300	•	235	88	98
605	49	IRAN		30.0N 52	52.0E 29.8N	49.6E	07 0	250	≻ ≥	19910504	095300	143	235	89	96
605	20	IRAN	POINT NAY BAND, ZAGROS	52	.5E 29.8N	49.6E	5 NV	250	z	19910504	095300	143	235	88	96
605	51	IRAN	Ś	53	.0E	49.6E	№	250	≻ ≈	19910504	095300	143	235	89	96
605	52	IRAN		53	. 5E	49.6E	≥ 0	250	≻ Z	19910504	095300	143	235	88	96
605	53	IRAN	KISH ISLAND, ZAGROS MTS.	54	.0E 29.8N		N O	250	>- ≥	19910504	095300		235	68	96
605	54	IRAN	KISH ISLAND, ZAGROS MTS.	26.5N 54	.0E 26.6N	52.2E	№	250	> 2	19910504	095400	143	246	67	96
909	38	IRAN	LAKE URMIA	46	.0E		25 LO		z						
909	33	IRAN	ZAGROS MTNS.	36.0N 47	.0E		5 LO	100	z						
909	Q	IRAN	ZAGROS MTNS.	34.0N 49	.0E		10 10	100	2 2						
909	41	IRAN	ZAGROS MTNS ARAK	34.0N 50	.06		30 00	100	z						
909	42	IRAN	MTNS.	5N 50	. 5E				z						
909	43	IRAN		51	.0£			100	z						
909	44	IRAN	ZAGROS MTNS.	32.5N 51	51.5E		65 LO	100	z z						
909	45	IRAN	MASJED SOIEYMAN RESER.	20	.0E				z z						
909	46	IRAN	•,	49	.5E				z z						
909	47	IRAN	_	55	.0E		15 LO		z						
909	48	IRAN	0	27.0N 56.	.0E		9 FO		> Z						
909	20	IRAN	STRAIT OF HORMUZ, ZAGROS	26.0N 57	.5E		2 0	100	> 2						
24	ო	IRAQ	AL MILH LAKE	32.5N 43	.5E		50 LO	35	z z						
7.1	34	IRAQ	TIGRIS RRESERVOIR	37.0N 42	.5E 36.9N	43.6E	10 N	250	> 2	19910428	120301	134	252	44	7
7.1	35	IRAO	TIGRIS R RESERVOIR	42	.5E 36.7N	43. /E	10 00	250	>	19910428	120304	135	252	44	7
11	36	IRAO	_	43	H.				×	19910428	120306		252	44	~
7.1	37	IRAQ	_	43	.0E				> 2	19910428	120311		253	43	7
71	38	IRAQ	TIGRIS RRESERVOIR	42	.5E 36.2N		10 L0	250	≻	19910428	120315	135	253	43	7
11	39	IRAQ	TALL'AFAR-TIGRIS RIVER	36.5N 42	.5E 36.1N		10 00	250	≻ Z	19910428	120317		253	€	~
11	40	IRAQ	TALL'AFAR	36.5N 42	.5E 36.0N		9 10	250	≻ Z	19910428	120319	135	253	43	7
7.	41	IRAQ	GRIS	43	0E				≻ Z	19910428	120322		254	43	7
71	42	IRAQ	IGRIS	36.5N 43	.0E 35.7N	44.8E	5 LO		≻ Z	19910428	120325		254	43	~
71	43	IRAQ	MOSEL-TIGRIS RIVER	36.0N 43	.0E 35.4N	45.1E	9 10	250	> Z	19910428	120330	135	254	4 3	~
7.1	4	IRAO	TIGRIS RLITTLE ZAB R.	36.0N 43	.5E 35.3N	45.2E	0 0	250	>	19910428	120332	135	255	5	8
71	45	IRAO		36.0N 44	.0E	45.4E	07 0	250	×	19910428	120336	135	255	43	7
7.1	46	IRAQ	KIRKUK-LITTLE ZAB R.	4	.0E		0 0	250	×	19910428	120338	135	255	4 3	7
71	47	IRAQ	SHARI DRY LAKE-RIDGE LNS	34.5N 44	.5E 34.4N	46.1E	0 0	250	×	19910428	120350	136	256	42	7
7	48	IRAQ	AL SHARA AIR BASE-TIGRIS	34.5N 43	.5E 34.2N	46.3E	0 0	250	> 2	19910428	120355	136	257	42	~
7.1	49	IRAQ	$\overline{\mathbf{a}}$	45	.0E				z	19910428	120405		257	42	~
71	20	IRAQ	_	45	.0E				> 2	19910428	120417		258	1 1	~
71	51	IRAQ	_	4	5E				≻ 2	19910428	120419		258	7	~
77	25	IRAQ	TIGRIS R SALT PANS	5N 45	.5E 32.8N	4	60 LO	250	> > = =	19910428	120421	136	259	;	~ .
	3	ŽWY.	N 3AL I	7	.05 30.	- 1			-	02401661	774021	- 1	AC 7	;	٠l

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				100	1	100								NITO		٢
R	FR	GEOGRAPHIC NAME	FEATURE	LAT LON		LAT	LON	CC TL	FL E	S DATE	GMT	A A	. AZ	, III	ျ	آ۔
71	54	IRAQ	DOVEYRIL STREAM	32.0N	47.5E 3	31.8N	48.5E	65 NV	250 N	N 19910428	8 120441		136 260	0 41		7
72	48	IRAO	EUPHRATES RIVER BASIN	31.5N	46.0E			9	250 N	z						
72	49	IRAO	SRIVER	31.0N	46.05			0 10	-	>						
22	20	IRAO	SRIVER	31.0N	47.0E				z	>						
72	5.	TRAD	/TIGRIC	30 5N	47 SF				Z	· >-						
72	52	IBAO	S R. BASRA	30.5N	48.0E				: z	. >-						
73	79	IRAO	, '.	37.0N		36.5N	36.5E		0	Y 19910429	9 040632		143 8	83 1	5 13	
73	80	IRAO	. ,	38.0N		NO.	37.1E		0	-				_	-	ص ص
81	7	IRAO	THARTHAR L. EUPHRATES R.	33.7N	36	8	40.6E			N 19910505			_	_	11	_
81	ო	IRAQ	E, EUPHRATES R.	33.1N		NG.	40.8E	0 0		Y 19910505	5 094628		144 176	6 63	11	د
81	4	IRAO	MILH LAKE, EUPHRATES R.	32.6N	44.1E 3	14.2N	41.1E	07		Y 19910505	5 094634	-	44 177	9 /	113	
£	ď	TRAO	HRATES RIVER	32 3N	46	2	41.3F		Z	-			144 178	8 64	1113	
81	φ	IRAO	BAGDAD, EUPHRATES R.	33.3N	. W	. S	41.7E		z							_
8	7	IRAO	EUPHRATES R	32.6N	1E	.2N	42.1E		z	N 19910505					5 113	_
81	œ	IRAQ		32.0N	. SE	N 6.	42.4E	0 0	z	N 19910505	5 094700		144 181	1 65		_
81	თ	IRAQ	EUPHRATES R, AGR.	31.7N	44.5E 3	. 6N	42.6E	0 0		Y 19910505			144 182			
81	10	IRAQ	EUPHRATES R, AGR.	31.5N	44.5E 3	. 3N	42.9E	0 0	0	-	5 094711				=	_
82	11	IRAQ	AL BASRAH, TIG/EUPH. DELTA	30.5N	47.9E 3	30.3N	53.4E	80 LO	-	N 19910503	3 095819			9 59	∞	7
82	80	IRAQ	TIGRIS VALLEY, SAND STORM		7	29.3N	54.3E	50 HO		N 19910503	3 095839		137 192	2 60	œ	
87	-	IRAQ	TIGRIS R, IRRIG, SUNGLINT	32.5N	44.5E 3	32.9N	47.4E	•2 10	250 U	Y 19910428	8 120428		136 258	8 41		~-
ŗ	•		•		L		20 61		0	•		•		•	`	
8	7	IKAQ	×	32.5N	ָ מ		47.55									
8	ო	IRAQ		32.5N	9	8	47.7E		-	•						
87	4	IRAQ	S	32.1N	3E	•	48.1E		-	-						
87	က	IRAQ		32.2N	8E		48.2E		⊃	-						۰.
87	9	IRAQ		32.1N		32.0N	48.3E		_							
87	7	IRAQ	8 R. I	32.1N	. Æ	31.9N	48.4E		-	-						•
8	4	IRAQ	AREA NEAR AL BASRAH, DARK	30.5N	47.5E 3	30.7N	45.4E	30 00		N 19910429	9 115851		140 259	9 45	_	
06	Ŋ	IRAQ	NEAR AL		67	30.1N	45.8E		z	-					_	- 8
06	9	IRAQ	AREA NEAR AL BASRAH, DARK		~	29.3N	46.5E	0 0	250 N						7-1	_
607	25	IRAQ	VIEW NE TOWARD BAGHDAD	33.0N	44.0E 3	30.9N	41.3E	80 HO	100 N	N 19910430	0 115200	_	137 256	6 50	ന	_
609	49	IRAO	EUPHRATES RIVER BASIN	34.0N	42.5E 3	36.3N	39.0E	0 0		N 19910505	5 094600		141 197	7 69		
609	20	IRAO	RIVER	33.5N	.5E		39.0E		Z						112	
609	51	IRAO	EUPHRAT	33.5N	9	38	39.0E		Z	Y 19910505	5 094600		141 197			
609	52	IRAO	N. BAGHDAD	34.0N	OE.	S.	39.0E		z	_					112	_
609	53	IRAO	ES	33.5N		S.	39.0E	0 00								
609	54	IRAQ	ESERT	33.0N	. SE	36.3N	39.0E		z	Y 19910505	5 094600		141 197			•
609	55	IRAQ	MILH AL LAKE	32.5N	43.0E 3	36.3N	39.0E	07 0	Z	N 19910505	5 094600		141 197	7 69		•
609	99	IRAQ	EUPHRATES R., AL HILLAH	32.5N	44.5E 3	33.3N	42.0E	0 0	250 N	N 19910505	5 094700		142 209	9 71	1112	
609	23	IRAQ	3 R., AL	•	. 5E		•		250 N	Y 19910505						7
609	58	IRAQ	EUPHRATES R., AL KUFAH	32.0N	44.5E 3	33.3N	42.0E	0 0	250 N	Y 19910505	5 094700		142 209	9 71	=	
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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR	DIR						13	١,	Γ
Z	۳	GEOGRAPHIC NAME	FEATURE			- 1	=	<u>.</u> اس	.1	- 1	١		1	Š
604	တ	ISRAEL		Z.	35	33	2	Z						
22	93	ITALY	ET	_		_	≩	z		-	143			<u> </u>
73	94	ITALY	MOUNT ETNA		5.0E 37.8N	15.1E	80 N≤	250 N	Y 19910429	053634	143			1
73	92	ITALY	MOUNT ETNA		15.0E 38.4N			250 N	Y 19910429		143			14
73	96	ITALY	TARANTO-GULF OF TARANTO		.5E 41.0N	19.0E	35 LO	250 N	N 19910429	053742	143	88	19 1	1.4
90	44	ITALY	GENOVA AREA		.7E 43.7N	8.2E	50 LO	250 N	N 19910429	132400	143 2	230	51 1	19
06	45	ITALY	LA SPEZIA AREA	Ø		O	2		N 19910429	132414	143 2	232	51 1	19
06	46	ITALY	PISA, VIAREGGIO AREA	10	.3E 42.9N	9.4E	40 LO 3	250 N	N 19910429	132419	143 2	232	51 1	19
06	47	ITALY	LIVORNO, PISA AREA	10		6	2	250 N	N 19910429	132425	142 2		51 1	19
06	4	ITALY	ELBA ISLAND	42.8N 10	.4E 42.2N	10.3E	20 10	250 N	N 19910429	132433	142 2	234	50 1	
06	6	ITALY	PIOMBINO AREA	43.2N 10	.9% 42.0N	10.6E	60 LO	250 N	N 19910429	132438	142 2	235	00	
6	9	TTALV		10					10010420					
8 6	, t	ITALY		11 NE		2 =	2 5		M 19910429					
8		TAIV				: =	2 5							_
06	53	ITALY	ANZIO AREA	7N 12		12	2	_						
06	54	ITALY	VASTO AREA	14	ш	13	2		-					
06	55	ITALY	SAN SEVERO AREA	7N 15	ш	13	9		_					- 6
06	99	ITALY	FOGGIA AREA	15		13	9		-	•				19
06	57	ITALY	ANDRIA AREA	2N 16	39	14	9		N 19910429				49 1	6
06	28	ITALY	MARTINA FRANCA AREA	7N 17	38	1.			N 19910429					19
	,				1)							
06	29	ITALY	TARANTO AREA	40.6N 17			2	250 N	N 19910429					6
06	90	ITALY	REGGIO DI CALABRIA AREA	38.1N 15.	.9E 37.7N	_		250 N	W 19910429	132608	142 2			6
96	92	ITALY	PENINSULA NE.OF FOGGIA	41.8N 15	.9E 42.2N		2	250 N	N 19910503	112342	144 1			7
151	20	ITALY	G. OF TARAKTO, IONIAN S.	40.0N 16		16	全	250 N	N 19910429	-				6
602	4	ITALY	GENOA, PO RIVER VALLEY	9N 9	43	∞	2							- &
209	9	ITALY	OAST,	11			2		-					18
602	7	ITALY	COAST IN ROME VICINITY	12	.5E 41.1N		2	100 N		• •				-
802	œ	ITALY	TYRRHENIAN SEA	ON 12	41	#	2		4-4					 &
75	11	JAMAICA	S.COAST-SMOKE	18.5N 77.	.5W 15.4N	75.9W	2	250 N	N 19910428	210735	139 2	277	30	
84	29AN	JAPAN	HOKKAIDO-NE CST, TESHIO R	44.5N 143	.0£		15 LO	250 N	_					
84	29AP	JAPAN	HOKKAIDO-NE CST. TESHIO R	44.5N 143	.06		20 LO 3	250 N	_					
4	29A0		TESHIO R. SNOW	142	96		9	250 N						-
8	29AU				<u> </u>		2	z	· >-					
84	29AV		HONSHU-TOKYO/HARBOR		96		9	Z	· >-					
8	29AW		HONSHU-TOKYO/HARBOR, CST	140	16		2	. Z	. >-					
98	78		KE, CLOUDS	141	.2E 44.3N	139.9E	2	z	N 19910430	041940	142 2	222	53 2	29
98	11	JAPAN	ISLAND WAKE, CLOUDS	141	.2E 43.8N		2	250 N	N 19910430	041950		223		6
86	82	JAPAN	KYUSHU, NAGASAKI AREA	.8N 130	.2E 32.4N	130	2 10	z	N 19910430					30
98	83	JAPAN	KURA	.5N 130	31		2	2	N 19910430					
98	84	JAPAN	KYUSHU, SAKURA JIMA(DARK)	31.5N 130	.6E 31.0N	132	01 0	250 N	N 19910430	055346	140 2	254	49 3	
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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				O THE O	0.040								1		
교	FR	GEOGRAPHIC NAME	FEATURE	LAT LON	LAT	ຽ	1	F	S DATE	ш	GMT A	L A	AZ SUREL	į	OR
86	85	JAPAN	KYUSHU, SAKURA JIMA(DARK)	35.5N 130.6E	30.7N	ļ	2	100 N	N 19910430		3		55		30
86	86	JAPAN	SAKURA	31.5N 130.6E	29.3N	0	2	100 N	N 19910430	130 05541	9	39 2	57	48	30
88	67	JAPAN		43.5N 145.0E	***	0	2	250 U	z						
88	89	JAPAN	NEMURO BAY, GOYOMAU STR.		ţ	0	2	250 U							
83	06	JAPAN	KYUSHU, SAKURA-JIMA	31.7N 130.6E	E 30.7N 132.4E	ш	2	250 N	-						30
83	91	JAPAN	KYUSHU, SAKURA-JIMA	31.6N 130.6E	30.5N 132		2	250 N	-						39
88	95	JAPAN	KYUSHU, SAKURA-JIMA, DARK	31.6N 130.6E	E 30.1N 132.8E		2	250 N			055358 1	140 2			30
88	93	JAPAN	KYUSHU, SAKURA-JIMA, DARK	31.6N 130.8E	E 29.8N 133.1E		2	250 N	N 19910430		055405 1				30
94	52	JAPAN	N.HOKKAIDO	45.2N 142.0E	E 46.0N 140.2E	E 10	2	100 N	N 19910505	505 021402		147 1			108
94	53	JAPAN	COASTAL AREA NEAR OMU	44.6N 142.5E	E 45.7N 140.7E		2	100 N	N 19910505	505 021408		147 1	147	49 1	108
3	3	JABAN	COACTAL ABEA ND VIDETCE	24 CA1 MC AA	E 45 6N 140 OF		-	0	N 10010505	505 021412		146 1	147	50	108
5 8	י ע	NAGAL	CHIMA	2N 141	44 1N 143		2 5	. N	٠ –						108
7 6	3 43	APAN		2	43.6N 144	30	29	100 N						52 1	108
40	57	JAPAN	HOKKAIDO, KUSHIRO AREA	. 8	43.1N 144		2	100 N	N 19910505				154		108
94	28	JAPAN	ETOROFU IS.S.HALF IS.	147.	42.2N 145	0	2	100 N	N 19910505	505 021528					108
94	29	JAPAN	RI IS.N.HALF I	¥.			2	100 N	N 19910505		021533 1	146 1			108
94	9	JAPAN	KUNASHIRI IS.S.HALF IS.	44.0N 145.8E	E 41.8N 146.4E	Е 0	2	100 N	N 19910505		021536 1			54 1	108
603	27	JAPAN	TSUGARN STRAIT	41.0N 141.0E	E 43.2N 141.5E		웆	100 N	N 19910430		042000 1	_			28
603	28	JAPAN	_	38.0N 141.0E	40.4N 145	_	오	100 N	N 199104		042100 1	137 2			28
609	80	JAPAN	SHIMONOSEKI STRAIT	34.0N 131.5E	E 37.0N 129.5E	n Ö	70	250 N	N 19910505	-	034700 1	141 1		68 1	80
Š	•			į			-	;	•						
600	מס	CAPAN	2	.131 NC.	37.UN 129		2	N 007				_			108
609	2	JAPAN	HIROSHIMA, KURE	.ON 132.	37.0N 129	0	2	250 N				-			108
609	11	JAPAN	INLAND SEA		37.0N 129		2	250 N	~						108
609	12	JAPAN	TOSA BAY	. S.	37.0N 129		2	250 N	-	_		141 1	199 (108
06	78	KENYA	NZ , W . (.ON 41.	4.1N 40		2	250 N	N 19910429						19
8	79	KENYA	AREA	.0N 41.	3.1N 41		2	250 N			_	~		24	13
151	59	KENYA	OSA BAY, COAS	39.	2.75 44		오	250 U			-	a			19
151	137	KENYA	R. DELTA, L.	38.	5.1N 36.		≩	250 N	19		-	_	~		35
151	138	KENYA	æ	36.	4.6N 36.		≩	250 N	o	132	928 1	37 2	283		35
151	139	KENYA	DELTA, L.	4.0N 36.5E	E 4.2N 36.5E	표 2	≩	250 N	Y 199104	10430 132	936 1	_	~	31	35
151	140	KENYA	RIFT VALLEY	36	2.8N		⋛	250 N	N 19910430		133000 1	36 2	284		35
151	141	KENYA	MERI PLATEAU	0.5N 40.0E	E 1.0N 38.3E		2	250 N	N 19910430		133032 1	36 2	285 ;		35
151	142	KENYA	MERI PLATEAU	0.0N 40.5E			2	250 N	Y 19910430		133035 1				35
151	143	KENYA	FORMOSA BAY, NGOMENI PT.	-	1.45 39	E 25	2	250 N			133115 1				35
151	144	KENYA	FORMOSA BAY, NGOMENI PT.	3.0S 40.0E	1.88		≩	250 N	Y 19910430		133122 1		286		35
151	145	KENYA	FORMOSA BAY, NGOMENI PT.	3.0S 40.5E	2.35 40		2	250 N	Y 19910430		133131 1				35
151	146	KENYA	_		3.9S		2	250 N	Y 19910430		133159 1		_		35
151	147	KENYA	Ö	40.	4.45 41	E 25	2	250 N	Y 19910430	•	7				35
604	28	KENYA	RUDOLF; RIFT	36	4.5N 32.	ш	2	250 N	N 19910501	•	7		285	36	20
604	53	KENYA	LAKE RUDOLF; RIFT VALLEY	4.0N 36.0E	4.5N	נט (ט	2	250 N	Y 19910501	_	32200 1	36 2			20

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

교	£	GEOGRAPHIC NAME	FEATURE	CENTER	-	NADIR	LON	32	=	E S	DATE	FMS	A A	AZ	SUN	8
604	30	KENYA	LAKE RUDOLF; RIFT VALLEY	4.0N	<u></u>	4.5N	32.5E	15 LO	250	N Y 1	19910501	132200	136	285	36	ဒ္ဓ
604	31	KENYA	OMO R	4.5N			40		250	>	19910501			285	36	20
609	1	KOREA	COAST RANGED.17	3	7	2	26 2F		250	2	19910505	_	-	188	99	108
610	8	KORFA	VEON TO MENT COANT	2			24 AF		250	: 2	19910501			243	4	4
019	9 6	KOREA	MOCOO JIN IS			• -	24 45		250	: 2	100100	05450		2 7 3	9 4	4
9 10	S <	KOBEA	VELLOW SEA	2 2		• •	•		250	2	1001001	054800	- •	250	3 3	
3 -		KIMAT	NOMEN, TEELOW SER			•	77.04		200	2 >	19910001			200	5 6	? ^
7.7	10	TURNE	OIL FIELD-CLOUDS	20.00	9 6		70.00		007	- >	9310450			204	ה ה	4 6
7 :	70	TABLE	OIL FIELD-CLUGUS	30.05 0.05			30.75				19910428			¥07	P (4 6
7.	5 4 8	KIMATT	BURNING UIL FIELD-SMOKE	NO. 62	48.UE 29	NO.82	50.9E	26 10	250	~	19910428	120536	13/	28.5 28.5	3 C	۰ ۷
:	5		150	D			11.15			7 - E	0740766	140071	-	3	9	J
11	65	KUWAIT	BURNING OIL FIELD-SMOKE	29.0N	48.0E 28	8.6N	51.2E	25 LO	250	N Y 1	19910428	120543	137	265	38	7
72	53	KUWAIT	OIL WELL FIRES/PLUMES	30.0N	48.0E			0 0	250	> 2						
72	29	KUWAIT	OIL WELL FIRES/PLUMES	29.5N	48.0E			0 0	250	z						
72	90	KUWAIT	OIL WELL FIRES/PLUMES	29.5N	48.0E			07 0	250	> 2						
72	61	KUWAIT	OIL WELL FIRES/PLUMES	29.0N	48.0E			0 0	250	×						
72	62	KUWAIT	WELL FIRES/PLUMES		48.0E			№	250	z						
81	11	KUWAIT	FIRES, CITY, SMOKE	29.5N		31.3N	43.8E	0 0	250	0 Y 1	9910505	094730	143	186		113
81	12	KUWAIT	FIRES, CITY, SMOKE	29.0N	.0£	30.9N	44.1E	0 0	250	0 Y 1	19910505	094738	143	187	67	113
81	13	KUWAIT	L FIRES, CITY, SMOKE	29.0N	47.5E 30	30.1N	44.9E	0 0	250	0 Y 1	19910505	094754	143	189	67	113
81	14	KUWAIT	OIL FIRES, CITY, SMOKE	89.0N	48.0E 29	8.8N	45.1E	0 0	250	0 Y 1	19910505	094800	143	190	67	113
															,	
81	15	KUWAIT	FIRES, BUBIYAN I, SMKE	29.8N	.8E		45.7E		250	z	9910505	094814		193	89	113
82	9/	KUWAIT	FIRES, TIGRIS/EUPH.R.	•	2E		52.7E		250	Z	19910503	095803		187	20	81
82	78	KUWAIT	,TIG/EUPH.DELTA	29.5N	47.5E 30	Z.	53.5E		250	z	19910503	095822		189	9	8
82	79	KUWAIT	Σ				53.7E		250	Z	19910503	_		190	90	81
87	11	KUWAIT	FIRES, SUNGLINT	29.0N	OE				250	>	19910428			264	38	~
87	12	KUWAIT	FIRES, SUNGLINT	29.0N	9		50.9E		250	>	19910428	•		264	38	7
87	13	KUWAIT	, SUNGLINT	28.8N	.3E	Z S	•		250	U Y 1	19910428			264	38	~
06	7	KUWAIT	KE, N. KUWAIT, DK.	•	0E	28.4N	•		250	z	19910429	• •		262	43	18
06	œ	KUWAIT	KE, N. KUWAIT, DK.	30.0N	.0E		47.8E	0 0	250	~	9910429			263	43	18
06	တ	KUWAIT	SMOKE, N. KUWAIT, VRY DARK	30.0N	48.0E 27	7.5N	48.0E	0 0	250	 2.	19910429	115952	140	264	43	8
06	10	KUWAIT	SMOKE, KUWAIT CITY, VRY DK	29.5N	47.8E 27	27.3N	48.1E	0 0	250	Z Z	19910429	115954	140	264	42	18
06	11	KUWAIT	AIT CITY, VRY DK		90.	26.8N	48.5E		250	Z	19910429			265	42	18
06	12	KUWAIT	DARK			26.1N	49.0E		250	z	19910429			266	42	81
96	13	KUWAIT	FRAME TOO DARK		72	Z	49.4E	2	250	z	19910429	120025		266	41	18
	14	KUWAIT	EXTREMELY DARK FRAME		7		49.6E	2	250	Z	19910429	120031	139	266	41	18
	107	KUWAIT	OIL WELL FIRES	29.5N	.0E		44.0E		250	z	19910430	115301		259	48	34
	108	KUWAIT	IL WELL FIRES	29.5N	0		44.5E		250	z	19910430	115311		260	48	34
604	10	KUWAIT	L FIRES/PLUMES	30.0N	8		38.8E		250	z	19910501	114500		255	54	6
609	60	KUWAIT	MARBAH OTI ETELD FIRE	30.0N	48.0E 33	3. 3. S. 3.	42.0E	0 2	250	~ . Z 2	9910505	094700	142	508	7.1	112
600		L TURNY	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• •	;	• 1	٠.		۱'		COCOTE	00/1	- 1	3	:	

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

222 72 222 72 222 72 222 72 222 72	222 72 222 72 222 72 222 72 222 72 222 72	222 72 222 72 222 72 222 72 222 72 274 37 275 36 273 43	222 222 222 222 222 222 222 223 224 234 23
094700 142 094800 142 094800 142 094800 142 094800 142	094700 142 094800 142 094800 142 094800 142 094800 142	094700 142 094800 142 094800 142 094800 142 094800 142 193053 138 193110 138 192417 137	094700 142 094800 142 094800 142 094800 142 094800 142 193110 138 192417 137 192417 137 192400 137 192300 137 192300 137 192300 137 192400 137 192400 137
LO 250 N N 1 LO 250 N N 1 LO 250 N N 1 LO 250 N N 1 LO 250 N Y 1	LO 250 N N LO 250 N N V LO 250 N N V LO 250 N V Y HO 250 O Y	10 250 N N N N N N N N N N N N N N N N N N N	N
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 8 E D D D D D D D D D D D D D D D D D D	44.8E 0 44.8E 0 44.8E 0 44.8E 0 750	44.8E 0 44.8E 0 44.8E 0 44.8E 0 750 0 60 0 60 0 60 0 75 0 60 0 75 0 60 0 75 0 60 0 75 0 60 0 75 0 75 0 75 0 75 0 75 0 75 0 75 0 7	44.8E 44.8E 44.8E 44.8E 60 60 60 60 60 60 60 60 60 60
48.0E 48.0E 48.0E 48.0E	48.0E 48.0E 48.0E 48.0E 48.0E	48.0E 48.0E 48.0E 48.0E 62.5W 61.5W 61.0W	48.0E 48.0E 48.0E 48.0E 61.5W 61.5W 61.0W 61.0W 63.0W 63.0W 63.0W 63.0W 63.0W 63.0W 63.0W 63.0W 63.0W 63.0W
IR 29. 29. 29. 29.	H H	H S	S S. S. IS
BURGAN, WAFRAH FIRES KUWAIT CITY, OIL FIRES AL BURGAN OIL FIRES	BURQAN, WAFRAH FIRES KUWAIT CITY, OIL FIRES AL BURQAN OIL FIRES AL BURQAN OIL FIRES CLOUDS, MTN RANGES CLOUDS, MTN RANGES CLOUDS, MTN RANGES RIVER, SMOKE, CLOUDS	BURGAN, WAFRAH FIRES KUWAIT CITY, OIL FIRES AL BURGAN OIL FIRES AL BURGAN OIL FIRES CLOUDS, MTN. RANGES CLOUDS, MTN. RANGES CLOUDS, MTN RANGES RIVER, SMOKE, CLOUDS SMOKE, CLOUDS, DARK STREAM, SMOKE, CLOUDS	BURGAN, WAFRAH FIRES KUWAIT CITY, OIL FIRES AL BURGAN OIL FIRES AL BURGAN OIL FIRES CLOUDS, MTN. RANGES CLOUDS, MTN. RANGES CLOUDS, MTN. RANGES RIVER, SMOKE, CLOUDS SMOKE
	EEE	IT IT IT ER ANTILLES ER ANTILLES ER ANTILLES	ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES ER ANTILLES
	エンスド	KUWAIT KUWAIT H LAND J LAND F LAND G LAND H LAND L LAND M LAND M LAND M LAND E SSER LESSER LESSER	KUWAIT KUWAIT H LAND J LAND G LAND H LAND J LAND L LAND L LAND L LAND L ESSER L
•	•••		81 81 81 82 83 84 84 84 84 84 85 85 86 86 87 87 87 87 87 87 87 87 87 87

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

																ſ
F	a.	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		LAT LON		75 25	7	S	DATE	GMT	AL	AZ SUN	E LI	8
151	130	LIBYA	COAST NEAR SURT, SITRE D	31.0N	16.5E 31	.8N 17	.7E 2	2	250 N	ı	19910430	132112	139	250	51	35
151	131	LIBYA	SURT,	31.0N	.0E 31	.4N 18.0E		2	250 N	7	9910430	132119	139	251	51	35
151	132	LIBYA	RAS LA	30.5N	.0E			2	_	Z		132150	139	254	20	35
151	133	LIBYA	ZALTAN MTN.	28.5N	.0E	20				Z		132215	139	257	49	35
151	229A	LIBYA	AL HAMRA PLATEAU		12.0E			2		z						
151	230	LIBYA	AL HAMRA PLATEAU		13.5E 35	.2N 7.	0E 3	2		2	9910502	130419	139	202	69	67
151	231	LIBYA	AL HAMRA PLATEAU	30.0N	.5E	.8N 7.	ш	2		Z		130427	139	203	69	67
151	232	LIBYA	HAMRA		.5E	ω.		0 0	250 0	~		130442	138	206	59	67
151	233	LIBYA			. 5E	∞		2		2		130446	138	206	59	67
151	234	LIBYA	COAST, GULF OF SIDRA	32.0N	.5E 33	.6N 8		2		z		130450	138	207	29	67
151	235	LIBYA	COAST, GULF OF SIDRA	30.0N	5E	. 4 8			250 0	Z	19910502	130455	138	208	9	67
151	236	IRVA	SIN F OF	2	17 OF 32	25	<u>.</u>	2	250 0	2		130510	138	210	9	67
151	237	LIBYA	DESERT		. B	8 NZ		? 운		19		130518	138	211	09	. 6
602	14	LIBYA	AL AKHDAR MTS.			18		2	100 N	01 N	910429	132700	138	251	48	18
602	15	LIBYA	BOMBA GULF	32.0N	22.5E 32.	3N 21		2		Z Z	9910429	132800	138	257	46	18
209	16	LIBYA	CLOUDS		32.	38		2	100 N	2	9910429	132800	138	257	46	18
602	17	LIBYA	BOMBA GULF	32.5N	32	.3N 21.2E		55 HO	100 N	N 19	910429	132800	138	257	46	18
209	18	LIBYA	Ĺ		0E 29	.2N 23	.9E 7	오		z	9910429	132900	138	262	44	18
602	19	LIBYA	AKHDAR	NO.	22.0E 29.	. 2N 23	.96	70 HO	100 N	z	19910429	132900	138	262	44	18
604	52	LIBYA	TRIPOLI	33.0N	13.0E 34.	.0N 11.	_ 36	≥ 0	250 N	2	9910501	131300	135	244	99	20
	ć					;		i		;		0		;		
400	97	LIBYA		33.UN		2 :		≥ :	N 067	\ }		131300	135	244	20	ດຕູ
/ 09	29	LIBYA	00 TO		0E	5N 14		2		z		132000	137	245	23	34
607	63	LIBYA	OUT OF	31.0N		5N 17		9	100 N	Z	•	132100	137	252	51	34
209	64	LIBYA				5N 17		2		z	9910430	132100	137	252	51	34
607	65	LIBYA	OUT OF FOCUS		9	5N 17		2		z	10430	132100	137	252	51	34
607	99	LIBYA	SIDRA, OUT OF	. 5N	18.0E 32.	17		2		z		132100	137	252	51	34
607	67	LIBYA	G. OF SIDRA, OUT OF FOCUS	30.0N	. OE	29.4N 19.	.8E 1	2	100 N	Z	9910430	132200	137	258	20	34
607	68	LIBYA	CLOUDS, OUT OF FOCUS		29.	29.4N 19.8	.8E 8	80 10	100 N	2	9910430	132200	137	258	20	34
809	47	LIBYA	ZEGHER PLATEAU, DUNES	28.0N		.1N 11			250 N	Z	9910502	130600	135	248	60	99
809	8	LIBYA	MARZUCHIA SANDDUNES	26.0N	15.0E 30.	.1N 11	. 8E	≩	250 N	2	9910502	130600	135	248	09	99
73	89	LINE ISLANDS	WASHINGTON ISLAND	4.5N 1	160,5W 3.	.8N 160.	. 1W 2	20 NV	250 N	2	9910429 (030923	138	283		12
81	28	MADAGASCAR	NO.END, CAP D'AMBRE, AFLD	.25	2E 1	90		2	250 N	Z	10505	113054	141	300	46 1	114
81	58	MADAGASCAR	MAHAJAMBA BAY, NO. CST.	16.05	_	.6S 51.8E			250 N	Z	9910505	113140	141	301	44 1	114
81	30	MADAGASCAR	BOMBETOKA BAY, NO. CST.	.0S	9 E			2	250 N	Z		113144	141	301		114
81	31	MADAGASCAR	ONIBE R, EAST COAST							×	9910505	113154	141	302		14
06	83	MADAGASCAR	LOW SUN, SHADOWS, NE. AREA					2		z		134108	138	287		19
06	84	MADAGASCAR		.25	. 9E	49		2		2		134114	138	287		19
06	85	MADAGASCAR		. 7S	.0E	S 49		2	_	N 19	on .	134118	138	287		19
06	86	MADAGASCAR	LOW SUN, SHADOWS, NE. AREA	. 2S	0.1E 12	S 50		9	250 N	2	_	134128	138	287	o	19
90	à	MADAGASCAR	LOW SUN, SHADOWS, NE. AREA	15.05	50.5E 14	.05 51.	1E /	70 10	250 N	2 13	910429	134155	138	287	- 1	61

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

					•					1	-		
	THE GROOKAPHIC MARK	FEATURE	LAT	N LAT LON	LON	긛	FL E S	DATE	CMT	AL	AZ SUN	ᇳ	OR S
	29A MADAGASCAR	AMBRE CAPE	12.05 49.	49.0E 12.4S	50.2E	30 LO 2	50 N	19910429	134129	138	287	2	19
	30 MADAGASCAR	AMBRE CAPE, EAST COAST	.58	13.85	51.0E	2	z	19910429		-	287	œ	19
	148 MADAGASCAR	IVER		5E 15.4S	48.1E	L0 2	50 N N	19910430	133527	137	289	13	35
	148A MADAGASCAR	BETSIBOKA RIVER DELTA	16.55 47.	.0E		20 LO 2							
	149 MADAGASCAR	BETSIBOKA RIVER DELTA	16.55 47.	16.35	48.6E	10 LO 2	-	19910430		_	289	12	35
151 15	150 MADAGASCAR	BETSIBOKA RIVER	17.05 47.		49.2E	2		19910430		13	289	11	35
	151 MADAGASCAR	EAST COAST			49.7E	2	-	19910430		137	289	11	32
151 15	152 MADAGASCAR	EAST COAST		18.4S	50.0E	70	250 U N	19910430	133621	***	289	10	35
604 3	32 MADAGASCAR	WESTERN COAST	16.55 44.	15.85	44.4E	25 NV 2	250 N N	19910501	132800		292	17	20
909	54 MADAGASCAR	MANGOKY RIVER MOUTH	.55 43	13.35	39.2E	오		19910502	131900	135	294	24	99
808	SE MADACACTAD	XQTOHI - C Q XXOSNON	21 55 42	7 29 46 19	41 25	10 NV 2	250 N N	19910502	132000	135	204	2	99
		SA COAST	. 6	11 45	•	=	: z	19910503			286	48	600
		1 AKF NVACCA-MA71N71 BAV	2 6	12 85	35. AF	3 5	: 2	19910503			287	47	2 6
200		MALAY DENTACH A-SUNCTINE	104	4 18 1		3 5	: 2	19910429	-		283	3	16
_		CLOUDS COAST		:	•	2					}	1	}
		MAI AY DEN THINDERSTORM	3 ON 104	OF 2.75 10	108 6F	유	Z	19910430	090300	137	287	23	31
	-	: <u>-</u>	14.0N 7	13.6N		2	: Z	19910428			278	28	2
		PII-DERRIS-			38.0	2	: z	19910428			279	27	2
		I AC DE MANANTA! I -HAZY-SG	13 ON 1			9	2	19910428			279	26	· c
				:	-) (: =	1001001			000	9 0	
<u>-</u>	10 MALI	LAC DE MANANIALI-HAZI	13.0N 10.		3. O.	3	0 00	745		130	007	07	ດ
85 4	46 MARSHALL ISLANDS	WOTHO ATOLL	10.1N 166.	.0E 11.1N	165.0E	50 LO 2	z	19910501	042259	137	277	42	45
	47 MARSHALL ISLANDS	UJAE ATOLL	1N 165	10.5N	165.4E	2	z	19910501	042309	137	277	42	45
	48 MARSHALL ISLANDS	KWAJALEIN ATOLL-CENTER	167		165.9E			19910501	042324	_	278	41	45
	49 MARSHALL ISLANDS	NAMU ATOLL	9N 168	.2E 9.3N	66.1E			19910501	042330	137	278	41	45
85 5	50 MARSHALL ISLANDS	AILINGLAPALAP ATOLL	7.5N 168	8.7N	166.5E	2	250 N N	19910501	042342	_	279	40	45
	51 MARSHALL ISLANDS	EBON ATOLL	4.6N 168	.7E 6.0N	168.0E			19910501	042430	136	281	38	45
	10 MAURITANIA	VERY FUZZY-ADRAR DHAR			10.2W	40 LO 2		19910428	163736	139	274	32	S
	12 MAURITANIA	VIEW W TO CAP BLANC		16.9N	8.7%		z	19910428	163817	139	276	30	ۍ.
		PENIN, COA	.8N 16	.8₩		2	0						
81	38 MAURITANIA	TIDRA I,ST.JEAN BAY,CST	19.7N 16.	. 3W		0 0 2							
83	64 MAURITANIA	RICHAT STRUCTURE, DESERT	11	.3W 18.7N	14.0W	0 10 2	250 O N	19910429	163124	139	274	37	21
83 6	65 MAURITANIA	RICHAT STRUCTURE, DESERT			13.6W	2	250 O Y	19910429	163135	138	274	37	21
		S	21.1N 11.	17.7N	13.3W	2	_	19910429			274	37	21
79 4	41 MEDITERRANEAN SEA		36.0N 5.		9.5W	2	250 N N	19910429	070543	_	82	14	15
	76 MEDITERRANEAN SEA	CLOUDS		39.3N	13.9E	35 LO 2		19910429	132539	142	242	49	19
	77 MEDITERRANEAN SEA	CLOUDS			14.2E	2		19910429	132543	142	242	49	19
80 7	MEDITERRANEAN	NEAR EGADI ISCLOUDS	39.0N 12.	5E 38.8N	•		z	19910429	132550	14	243	49	19
	MEDITERRANEAN	_	S.	5E 38.		2	z	19910429	132553	142	243	49	19
	90 1	CLOUDS-SUNGLINT		•	19, 1E	9	250 N Y	19910429	132716	-	252	47	19
80	/ MEDITERRANEAN	CLOUDS-SUNGLIN!		34.4N	19.2E	40 LO 2	N 00	19910429	132/18	141	252	47	13

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

MEDITERRANEAN SEA MEDITERRANEAN SEA	CLOUDS-SUNGLINT CLOUDS-SUNGLINT CLOUDS-SUNGLINT CLOUDS-SUNGLINT CLOUDS-SUNGLINT CLOUDS-SUNGLINT W. SICILY, TYRRENIAN SEA ALBORAN SEA, GIBRALTAR ALGERIAN COAST ALBORAN SEA MALTA, AFRICAN COASTLINE MOUNTAIN FIRES PACIFIC COAST PACIFIC COAST PACIFIC COAST-PUNTA MITA COLIMA VOLCANO-SMOKE COLIMA VOLCANO-SMOKE DARK, SMOKE INLAND LAG. DELLCIAS, IRRIG. LAG. DELLCIAS, IRRIG.	39.0N 12. 36.0N 4. 37.0N 1. 35.0N 14. 26.0N 107. 22.0N 107. 22.0N 105. 19.5N 103. 19.5N 101. 28.1N 105.		19. 20. 20. 21. 21. 14. 16. 9. 9. 9. 106. 106. 102.	40 LO LO LO CO CO CO CO CO CO CO CO CO CO CO CO CO	250 N 250 N 250 N 250 N 250 U 250 U 250 N 100 N			141	253 47 253 47 254 46	19
	SEA AR LINE MITA	12 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0 W 0.0 W			250 N 250 N 250 N 250 N 250 U 250 N 250 N 250 N 250 N					
	SEA AR LINE MITA	12 1 14 1 105 105 105 101 101 101	0.0 W 0.0 W			250 N 250 N 250 N 250 U 250 N 250 N 250 N 250 N				-	
	SEA AR LINE MITA	12 1 1 14 105 105 103 103 103	0.0 W 0.0 W			250 N 250 U 250 U 250 N 250 N 250 N 250 N					
	SEA AR LINE MITA	12 1 14 105 105 103 101 101 103	90. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	21 14 1 9 9 9 18 18 105 105 102 102		250 N 250 U 250 N 250 N 250 N 100 N	7				
	SEA AR LINE LINE MITA	12 1 14 105 105 103 103 103 103	90.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	14 9 9 18 18 105 105 102 102		250 U 250 N 250 N 250 N 100 N		132757		256 46	
	AR LINE MITA	1 14 107 105 103 103 103 103	W 90 W 80	9 9 18 18 105 105 102 102		250 N 250 N 250 N 100 N 250 N	N 19910429	132549	142	243 49	
	LINE	14 107 105 105 103 103 101 101	90.00.00.00.00.00.00.00.00.00.00.00.00.0	9 9 18 106 105 102 102 102		250 N 250 N 100 N 250 N	N 19910429	145736	141	256 46	
	LINE	14 107 105 103 103 101 101 103	90.00 W.S.	9 18 106 105 102 102 102		250 N 100 N 250 N	N 19910501	144252	139	233 57	
	LINE MITA MITA	14 107 105 103 103 101 101	.0 W	18. 106. 105. 102. 102.		100 N 250 N	N 19910501	144258		234 57	52
	MITA	105 105 105 103 103 101 105	30.00.00	106. 105. 103. 102. 102.		250 N	N 19910429	132700	138	251 48	-
	MITA	105 103 103 101 101 103 103	MO	105. 103. 102. 102.			N 19910428	223354	140	267 39	
	MITA	105. 103. 101. 101. 105.	M 3.0.	103. 102. 102.		250 N	Y 19910428	223419	140	268 38	
	o	.5N 103. .5N 103. .8N 101. .1N 105. .5N 103.	3 .0	102. 102. 102.		250 N	Y 19910428	223452	139 2		
MEXICO	0	.5N 103. .8N 101. .1N 105. .5N 103.	3	102.		250 N	Y 19910428	223523	139 2		
MEXICO	6. AC10	. 8N . 1N	N/ . D.7 MC .	102		250 N	Y 19910428			273 35	o
MEXICO		8.1N 5.5N	.2W 14.	•		250 N	_				
MEXICO	_	9.5N	.5W 28.6N	108.1W		250 N	N 19910428	223312		264 40	
MEXICO	21222		.5W 24.1N	1 104.7W		250 U	N 19910428	223435	140 %	269 37	
MEXICO	VERY DARK, MTNS.		20.0N	1 101.7W	5 10	250 U	N 19910428	223551	139	273 34	
MEXICO	VOL.PEAKS-BLURRED,DARK		19.6N	101.5W	9 10	250 U	N 19910428				o
MEXICO	MEXICALI AREA	32.5N 115.	.6W 33.9N	116.8W		250 N	N 19910429	222456	140	251 49	2
MEXICO		32.2N 115.	.2W 33.2N	1116.2W	5 10	250 N	N 19910429	222509	140	252 48	~
MEXICO	RIVER	.7N 115.	.2W 32.9N	115.9W	20 LO	250 N	N 19910429	222515	140		7
MEXICO		31.6N 113.	™ 6.	115.6W		250 N	N 19910429	222522	140		~
MEXICO		.2N 113	.5W 32.2N	115.2W	50 LO	250 N	N 19910429	222529	140		
MEXICO	BAJA CALIFORNIA	29.5N 114.	.5W 31.4N	114.5W	60 LO	250 N	N 19910429	222545	140	256 47	~
MEXICO		28.8N 113.7W	.7W 31.0N	114.2W	50 LO	250 N	N 19910429	222552	140 ;	256 47	~
MEXICO	URON	29.0N 112.	.4W 29.9N	113.3W	90 CO	250 N	N 19910429	222612	140 2	258 47	~
MEXICO	VOLCAN LAS VIRGENES AREA	27.3N 112.	.6W 29.3N	112.8W	2	250 N	N 19910429	222624	140	259 46	7
MEXICO	BAJA, LAGUNA SAN IGNACIO	26.9N 113.	.1W 28.8N	112.3W	30 LO		N 19910429	222634	140	260 46	7
MEXICO	BAJA, BAHIA CONCEPCION	26.8N 112.	.0W 28.1N	111.8W	50 LO	250 N	N 19910429	222647	139	261 45	7
MEXICO	OBOS AREA	3N 110	3	111.1W	90 CO	N 097	N 19910429		139	262 45	7
MEXICO	BAHIA YABAROS AREA	26.6N 109.	.5W 27.0N	M6.011	80 LO	250 N	N 19910429	222708		263 45	~
MEXICO	ď	25.8N 109.	30.	110.6W	70 LO	250 N	N 19910429	222714			7
MEXICO		6N 108	3	M 109.7W	10 00	250 N	N 19910429	222737	139	4	7
MEXICO	A AREA	106	30.	108.5W		250 N	N 19910429	222807			7
MEXICO	REA	105	MG.	108.1W		250 N	N 19910429	222817		268 42	2
WEXICO	RIAS	.8N 106	₩9.	107.		250 N	N 19910429			269 42	~
MEXICO	ALLARTA AREA	₩.	.5W 21.	107	0 0	250 N	N 19910429	2228		270 41	52
MEXICO	TOMATLAN AREA	20.0N 105.	.5W 21.3N	106.7W	0 0	250 N P	N 19910429	222853	138	270 41	52

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

교	<u>ج</u>	GEOGRAPHIC NAME	FEATURE	CENTER	LAT	NADIR AT LON	25	<u> </u>	ES	DATE	GMT	H	AZ SUN	골립	e e
89	86	MEXICO	MANZANILLO AREA	19.2N 104.5W	20.5N	106.2W	ł		2	19910429	222908	138	271	9	25
83	87	MEXICO	COASTLINE S.COAHUAYANA	.4N 103.		105.4W			z	19910429	222929	138	272	39	52
68	88	MEXICO	COASTLINE, BAHIA BUFADERO	18.3N 102.7W	18	105.0W	5 L	LO 250	N N O	19910429	222939	138	273	39	52
83	68	MEXICO	BAHIA PETACALCO	17.9N 102.2W		104.6W			z	19910429	222949	138	273	38	52
93	32	MEXICO	BAJA CALIF.	32.5N 113.5W	31.0N	115.3W		LO 250		19910505	201523	143	186	68	120
93	33	MEXICO	ם	28.5N 114.0W	1 29.5N	114.0W	20 L	LO 250	Z	19910505	201552	143	191	69	120
93	34	MEXICO	IF., VIZCAINO	28.5N 114.0W	1 29.1N	113.7W		LO 250	z	19910505	201559	143	192	70	120
93	35	MEXICO	1		28	113.2W	109			19910505	201611	143	194	70	120
93	36	MEXICO	BAJA CALIF., SAN MARCOS I	28.5N 112.2W	1 27.3N	112.3W	5 -	LO 250	z	19910505	201633	143	198	71	120
93	37	MEXICO	BAJA CA., CONCEPCION BAY	27.0N 112.0W	1 26.9N	111.9W		LO 250	N N	19910505	201641	143	200	71	120
	38	MEXICO	BAJA CA., LA PAZ AREA	23.6N 110.3W		110.2W		0 250	Z	19910505	201723	142	209	72	120
9.4	11	MEXICO	F COLORAD		ຕ	115.6W	0	LO 250	N	19910504	201853	145	172	9	104
40	15	MEXICO	R SANTA ANA	111.		111.9W			z	19910504	202009	144	183	63	104
94	16	MEXICO	SANTA	31.0N 111.0W		111.0₩			z	19910504	202029	144	186	64	104
94	17	MEXICO	AREA NEAR SANTA ANA	31.0N 111.0W	30.6N	110.6W			N O	19910504	202038	144	187	64	104
94	18	MEXICO	AREA AROUND LA MOCHIS	.0N 109.	29.			LO 250	z	-	202055	14	190	65	104
	19	MEXICO	AREA NW OF CULIACAN	25.0N 108.0W	29	109.6W			z	-	202059		191	65	104
94	20	MEXICO	PANORAMA, VIEW E, SE.						z	-	202239	14	509	68	104
94	21	MEXICO			23.8N	•			z	19910504	202246	14	210	98	104
95	71	MEXICO	PANORAMA, NW. MEXICO		25.5N	110.9W	¥ 0₹	HO 100	Z Z	19910505	201702	143	206	72	120
95	72	MEXICO	LA MOCHIS AREA	26.0N 109.0W	1 23.6N	109.5W		LO 100	Z	19910505	201737	142	214	73	120
95	73	MEXICO	MAZATLAN AREA	•	22.		2		Z	19910505	201802	142	220	73	120
95	74	MEXICO		103	18				Z	19910505	201914	142	238	73	120
151	187	MEXICO	BAJA PEN., C.S. QUINTIN	116	30.				z	19910430	221855	139	249	53	41
151	188	MEXICO	_	5N 116	1 29.7N	117.0W		LO 250	N O	19910430	221906	139	251	25	41
151	189	MEXICO	LIEBTE	28.0N 114.0W	1 28.7N	116.1W			z	19910430	221925	139	253	52	41
151	190	MEXICO	L. 030 DE LIEBTE, BAJA P	28.0N 114.0W		115.7W	0		z	19910430	221936	139	254	52	41
151	191	MEXICO	L. 0JO DE LIEBTE, BAJA P	27.5N 114.5W		115.0W			z	19910430	221952	139	255	51	41
151	192	MEXICO	SEBESTIAN VISCAINO BAY	•	24.	112.7W	15 L	LO 250	Z Z	19910430	222047	138	261	20	41
601	99	MEXICO	COAST, VERY DARK	25.5N 109.5W	1 26.7N	108.9W		LO 100	⇒	19910429	130100	139	92	4	18
601	67	MEXICO	Æ	109		108.9W			_	19910429	130100	139	76	4	18
601	68	MEXICO	9	23.0N 106.0W		108.9W				_	130100	139	9/	4	18
603	1	MEXICO				114.2W			z	19910429	222600	138	257	47	24
603	7		SIERRA MA			114.2W			Z	19910429	222600	138	257	47	24
603	ო	MEXICO	S. BAJA, G. OF	8		111.6W				19910429	222700	138	262	46	24
603	4	MEXICO	ESTERN	.ON 105		111.6W			Z	19910429	222700	138	262	46	24
77	90	MONGOLIA	DRY STREAM-DUST STORM	.5N 93.	5	94.1E	2			19910429	011040	144	95	25	=
77	63	MONGOLIA		.0N 97.	8	•			Z	19910429	011157	144	102	29	Ξ
7,	6 4 7	MONGOL I A	HOVSGOL LAKE	51.0N 100.5E	49.4N	100.9E	- -	LO 250	≻ > ≥ = ⊙ 0	19910429	011211	145	103	53	Ξ:
	3	WORDE TO		200	₽	٠.	- 1	- 1		67401661	011510	2	3	3	:

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENT		MADI								100		
R	FR	GEOGRAPHIC NAME	FEATURE	LATE	-	3	LON	CC TL	7	E S	DATE	GMT	AL	AZ A	ĒL	R
11	99	MONGOL I A	HOVSGOL LAKE	-	9E	49.9N 10	102.1E	5 LO	250	N Y 1	9910429	011225		104	30	11
77	67	MONGOLIA	HOVSGOL LAKE				103.2E		250	>	19910429	011238		106	31	==
77	82	MONGOLIA	LAKE UVS-FROZEN	50.0N	92.5E 5		96.4E	10 LO	250	•	19910429	024502		124	38	12
11	98	MONGOLIA	NS N			55.3N 9	36.8E		250		19910429	024505		125	38	15
11	87	MONGOLIA	ջ				102.2E		250	>	9910429	024555		132	4	15
11	88	MONGOLIA	LAKE HOVSGOL-FROZEN	51.0N 1	100.5E 5		104.5E	10 LO	250		19910429	024615		135	40	12
9.0	33	MONGOLIA	MOR	48.2N	. 4E		93.3E		250	Z	19910430	010458	143	94	23	27
86	34	MONGOLIA		49.2N	. 4E		94.0E		250		19910430	010508	143	94	24	23
98	35	MONGOLIA	UVS NUUR (LAKE)	50.3N	92.8E 4		95.0E		250	2	9910430	010521		92		27
93	69	MONGOLIA	MONGOLIAN PLAT.		4	6.3N 11	112.5E	70 LO	250	- - -	19910506	033823	147	145	52 1	125
89	70	MONGOLIA	MONGOLIAN PLAT.		4	3.7N	116.7E	80 HO	250	z	19910506	033925	146	152	55 1	125
93	71	MONGOLIA	Z		4		117.3E		250	N	19910506	033934		153		125
603	12	MONGOLIA	ALTAI MTS., V. OF LAKES	47.5N	93.0E 4		88.6E	0 0	100	N N	9910430	010400		90	21	56
79	38	MOROCCO	ATLAS MOUNTAINS-HAZE		m		11.3W	10 LO	250		19910429	070506	142	81	12	15
79	39	MOROCCO	S.OF GIBRALTER-SOLITONS	35.5N	6.0₩3	35.6N 1	10.0M	30 LO	250	>-	19910429	070533		82	13	15
79	40	MOROCCO	S.OF GIBRALTER-SOLITONS	36.0N		35.7N	M8.6		250	>	19910429	070536		82	14	15
83	12	MOROCCO	STR, CEUTA, TANGIERS	35.9N	m	35.5N	4.6W	10 NV	250		9910429	145633	141	250	48	20
83	13	MOROCCO		35.8N		.5.0N	4.2W		250	• •	19910429	145642		251	48	20
83	14	MOROCCO	STR, CEUTA, GIBRALTAR, CSTS	35.9N	₹.	34.7N	3.9W	15 6	250	N Y 1	19910429	145648	141	251	4	20
83	16	MOROCCO	MOULOUYA WADI/BASIN	34.3N	3.7W 3	33,8N	3.0W	≥	250	Z Z	19910429	145706	141	253	47	20
	ć					49	3		0 1 0		00100	446706		953	Ç	ç
D (n (MURUCIO	BERGUEN AREA	54. UN		NO. 55	MO. 7		007	-	6740166	00/641		207		9
06	9	MOROCCO		34.0N		33.2N	2.4W		250	2	19910429	145/14		254	4	20
06	95	MOROCCO	Æ			32.6N	1.9W		250	Z	19910429	145725		255	4 0	50
151	197	MOROCCO	CAPE RHIR, AGADIR	30.5N	3€.	30.5N	7.8W		250		9910501	144335		239	27	25
151	198	MOROCCO	Ξ	29.5N	8.5W 2		7.0W		250	z	9910501	144353		241	99	25
604	38	MOROCCO			m		12.3W	35 HO	250	Z	19910501	144200		239	21	21
604	39	MOROCCO	COAST, TELL ATLAS MTS.	34.5N		32.4N	9.4M	20 HO	250	. z	9910501	144300		247	99	51
604	40	MOROCCO	TELL ATLAS MTS.	34.0N		2.4N	9.4W	10 HO	250	-	9910501	144300		247	99	51
604	41	MOROCCO	DRY RIVER CHANNEL	33.5N		32.4N	9.4M		250	>-	19910501	144300		247	26	51
604	42	MOROCCO	DRY RIVER CHANNEL	33.5N		2.4N	9.4M	10 LO	250	N Y 1	9910501	144300	135	247	28	51
604	43	MOROCCO	DRY RIVER CHANNE!	33 ON	3.01	32.4N	A A	10 10	250	>	19910501	144300	135	247	9	51
80	2000		DIO DONNINA ACE	11.66		:	:		9 20	· >				:)	;
8 4	29AD		RIO CHILLE71 AGR	11.03	38 OF				250							
	2 64		DODY AND TA		70.07	ú	200		2 0		20100	434000	101	200	0	ď
000	20	MOZAMBIQUE	PORT AMELIA	•	40.05		3/.ZE		067	2 2	20201861	131000		200	9 0	90
000	2 .		CLOUDO VELUSO	14.33	40.0E		77.CE			2 :	2001661	000161		200	9 6	8
909	21		CLOUDS	,	;		37.2E			Z	19910502	131800		293	82	9
809			JUAN DE	17.0S	43.0E 1	3.35	39.2E			Z	19910502	131900	135	294	24	99
E 3			Œ	17.4S	16.8E					z : z :						
E 6	0 0	NAMIBIA	COOCTIONTITY ATTO ACE	18.85	18.6E			2 .	~ ~	z :						
70	- 1	- 1	GRUDITUMIETA, AFLU, AGK.	18.33	10.65			3	2	2						l

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

													١	ĺ
巌	Æ	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LON	CC 1	ו צו ב	S	DATE	GMT	AL.	AZ SUN	=	OR OR
81	41	NAMIBIA	WALVIS BAY, NAMIB DES, CST	23.0S 14.5E		0	LO 250 N	l-						
83	24	NIGERIA	SW VIEW, LARGE STORM		13.8N 12.0E	100	HO 250 N	Y 19	910429	150318	138	278		20
83	52	NIGERIA	SW VIEW, LARGE STORM		12.9N 12.5E	100	HO 250 N	>	19910429	150334		279	32	20
610	16	NIGERIA	CITY OF KAND	12.0N 8.5E	14.8N	20	NV 250 N	z	19910430	145600		277		35
7.5	85	NORTH KOREA	YONGHUNG BAY	39.5N 127.5E	37.3N 128.4E	20	LO 250 U	z	19910428 2	220827	143	85	17	o
75	83	NORTH KOREA	CH.ONGJIN-SMOKE?-POLLUTI	42.0N 130.0E	38.3N	30	LO 250 U	z	19910428 2	220848	143	96	18	თ
79	22	NORTH KOREA	KOREA BAY-YALU RIVER DEL	40.0N 124.0E	40.3N 126.5E	15	0 250 N	>	19910429 (055720	142	241	49	14
79	23	NORTH KOREA	KOREA BAY-KA ISUNGLINT	39.5N 124.5E	. 40.1N 126.8E	၃	LO 250 N	>	19910429 (055725	142	241	48	14
79	24	NORTH KOREA	BAY-SALT PANS-SUNG	125	39.6N	0	250	Z	9910429 (055736		243	84	14
79	52	NORTH KOREA	YONGHUNG BAY-WONSAN	39.0N 127.5E	38.9N 128	52	NV 250 N	z	19910429 (055750	142	244	84	14
79	26	NORTH KOREA	COAST	39.0N 128.0E	38.6N 128.5E	10	NV 250 N	∀	9910429	055756	142	245	48	14
84	29AF	NORTH KOREA	COAST	42.0N 130.0E		30 L	LO 250 N	z						
84	29AG	NORTH KOREA	COAST		1		250							
84	29AH	NORTH KOREA	COAST	42.2N 130.5E		40 L	LO 250 N	z						
87	54	NORTH KOREA	C.CHANGSAN, AFLD.	38.2N 125.0E	36.8N 127.8E	15	LO 250 U	z	19910428	220820	143	84	16	6
87	99	NORTH KOREA	MOUNTAINS, SNOW		38.2N 129.5E	30	LO 250 N	z	19910428	220850	143	86	18	თ
87	58	NORTH KOREA	MOUNTAINS		39.5N 130.8E	15	LO 250 U	z	19910428	220915	143	87	19	o
87	29	NORTH KOREA	HAMGYONG MTN. RANGE	41.5N 129.0E		30	LO 250 U	>	19910428	220922	143	87	19	თ
87	90	NORTH KOREA	CHONGJIN, MTNS.	41.6N 129.6E	40.1N	10	LO 250 U	>	19910428	220928	143	88	20	6
87	61	NORTH KOREA	HAMGYONG MTNS, COAST	42.3N 129.9E		ç	LO 250 U	z	19910428	220937	143	88	20	თ
151	41	NORMAY	S. NOBWAY F.108DS	60.0N 7.0F	56.2N 6.9E	5	HO 250 N	2	19910430	083731	145	121	9	33
609	33	NORWAY	C	5N 7	56 9N 10	4	250	2	_		141	110		111
609	3 2	NOBEA	L MEAR ARENDAL		56.08 0N	1 1	250	: >		00000	141	110		111
609	34	NORWAY	EFJORD	_	26.98	3 42	250	- 2	_	080600	141	110		: =
609	35	NORWAY	SLO		26.9N	15	250	: >-			141	119		111
609	36	NORWAY	EAST OF OSLO		56.9N 10	25	250	>			141	119		111
7	20	OCEAN	S. PR			2	35	· -)		,
7	21	OCEAN	STORMS, PROTR. CONV. CELLS											
7	22	OCEAN	STORMS, PROTR. CONV. CELLS					z						
2	23	OCEAN	STORMS, PROTR.CONV.CELLS			₩ 09	HO 35 N	-						
	24	OCEAN	STORMS, PROTR.CONV.CELLS			Н 09	HO 35 N	>						
2	25	OCEAN	STORMS, SUN				35	>						
7	97	OCEAN					35	>						
7	27	OCEAN	STORMS, SUN			70 H	35	>						
11	~	OCEAN	CLOUDS			95 L	LO 35 U	Z						
17	S	OCEAN					35	z						
17	œ		CURRENT BOUNDARY				35	z						
8	OAE		CLOUDS-WATER				250	z						
- 8	OAF		CLOUDS-WATER					> :						
<u></u>	OAC	OCEAN	CLOUDS-WATER			20 L	LO 250 N	_					l	

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ا	8	CEOCOADUTO HAME	TOTAL	CENTER	ļ	NADIR	{	;	1	STAG	١	197		SUN.	۱.	٦
إ	٤	- 1		LAI	١	LON	3				اي	E	¥	١	1	5
	OAH		CLOUDS-WATER				25		250 N	>						
81	0A)	OCEAN	CLOUDS-WATER				30	L0 2	250 N	> -						
81	0AK	CEAN	CLOUDS-WATER				35	L0 2	250 N	>						
81	OAL	OCEAN	CLOUDS-WATER				35		250 N	>						
81	OAM	OCEAN	CLOUDS-WATER				35		250 N	2						
81	OAN		CLOUDS-WATER				20		_	z						
81	OAP	OCEAN	CLOUDS-WATER				20		250 N	z						
81	040	OCEAN	CLOUDS-WATER				40		250 N	z						
81	OAR		SNGLT, MOTTLED SURFACE				70		_	>						
81	0AS	OCEAN	SNGLT, MOTTLED SURFACE				90	L0 2	250 0	>						•
į	,						:			;						
. .	OAT		DITLED				9		_	>- :						
8	OAU						9		_	>						*
8	0 9 8						9			>						
81	OAM						9		250 0	>						
81	OAX		OTTLED				65			>-						
81	OAY		SNGLT, MOTTLED SURFACE				70		250 0	> -						
81	0BA	OCEAN	SNGLT, STORM				20	F0 5	250 N	-						
81	088	OCEAN	STORM				80		250 N	_						
81	080	OCEAN	STORM				80	L0 2	250 N	>						
81	080	OCEAN	STORM				82	L0 2	250 N	>						
81	0BE		STORM				82		250 N	>						
81	0BF						82		250 N	>						
81	086		0				90		-	>						
81	0BH		8				90		-	>						_
81	083		SCATTERED CLOUDS				90			z						
81	08K		SCATTERED CLOUDS				75		250 0	z						
81	082						70			>						
909	27	OCEAN	CLOUDS, PLUMES				20			2						
81	17	OMAN	ZUFAR E		13	. 1N 53			-			095119	142			113
81	18	OMAN	MAHRAT MTNS, COAST	16.9N 5	53.2E 18	.3N 53.6E	10	F0 5	250 0	N 19910505		095133	142	235	72 11	113
81	19	OMAN	SAMHAN MTNS. COAST	17.6N S	55.2E 17.	.4N 54.2E	30	10 2	250 N	N 19910505		095149	141	239	72 11	113
81	20	OMAN	MTNS.	2		54			_	N 19910505		095156	141	240		113
81	21	OMAN	MURIA			5			250 N	N 19910505		095206	141	242		113
85	85	OMAN	MUSANDAM PEN STR. HORMUZ							N 19910503		095954	137			81
85	86	OMAN	MUSANDAM PEN. STR. HORMUZ.			58			250 N	N 19910503		100001	136			81
88	06	OMAN	MUSANDAM PEN, E/W CSTS.	28		59			250 N	•		100035	136			81
85	6	OMAN	RAMLAT AL WAHIBAH.S.D.						250 N	N 19910503		100131	136			31
151	116	OMAN				15.1N 52.6E	 64		250 N	N 19910430		115647	137			34
151	117	OMAN	TIP MA	20.5N	12	.5N 54			250 U	N 19910430	-	115735	137			34
601	61	OMAN	AL QAMAR BAY, AL'UMR MTS	17.0N	54.0E 20	.8N 53.0E	20	L0 1	100 N	N 19910429		120200	138	272	38	17
															l	

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

			O LANGE	OF CAM				l				ľ	1	
RL	R GEOGRAPHIC NAME	FEATURE	LAT	LAT	2	CC 7L	근	S	DATE	GMT	AL	AZ	SUMEL	OR
601 6	62 OMAN	AL QAMAR BAY, SALALAH	16.5N 53.0E	20.8N	53.0E	10 H	100	2	19910429	120200	138	272	38	11
601 6		TS		20.8N	53.0E	25 LO	100		19910429	120200	138	272	38	11
				17.5N	5.2E			Z	19910429	120300		276		11
601 6		SALALAH		17.5N 5	. 2E	20 10			19910429	120300	138	276		17
606	49 OMAN						100							
909	54 OMAN	WAHIBAH SANDS, OMAN MTS.				5 10	100	> Z						
		••	9					> 2						
	_	WAHIBAH SANDS, MASIRAH IS	21.0N 59.0E				-							
 	15 PACIFIC OCEAN	LOW IN GULF OF ALASKA				85 HO	35	≻ 0						
	16 PACIFIC OCEAN	LOW IN GULF OF ALASKA												
	45 PACIFIC OCEAN	G OF ALASKA-SUNGLINT			. 3W	45 LO		z	19910428	205127			47	80
75 4		XA-		¥ S	137.1W				19910428	205146			47	ထ
	86 PACIFIC OCEAN	PAN LOOKING NE			143.3E				19910428	221220			28	O
	PACIFIC	PAN LOOKING NE		. 2N				≻ 2	19910428	221323			31	ග
	PACIFIC			. 2N					19910428	235358			20	20
	22 PACIFIC OCEAN			. 7S	107.3W				19910429	001355			1 0	10
	23 PACIFIC OCEAN	COMOTOS CTOODS		. 6S	103.7W			_	19910429	001542			4	10
77 2		CUMULUS CLOUDS-UNDEREXP		58	103.1W	40 LO			19910429	001558			4	10
2 (1)	S PACIFIC OCEAN	CLOUOS		17.55 101	101.8W	80 HO	250	z z	19910429	001634	139	285	~	10
77 2	27 PACIFIC OCEAN	CLOUDS		25.65 96	96.1W	80 HO	250	z	19910429	001905	5 140	283	- 5	10
77	PACTET	Solio		OS	M8 56				19910429	001912			ı,	10
	PACIFIC	SCHOOL		-	133.6E			z	19910429	055933			45	14
	PACIFIC	CLOUDS-SHUTTLE TAIL		55	137.2E				19910429	061506			m	14
	PACIFIC				176.1E				19910429	061852			8	14
	87 PACIFIC OCEAN	OFF CHINESE COAST-INT W.			120.3E		250		19910429	073250	139		38	15
	88 PACIFIC OCEAN	OFF CHINESE COAST-INT W.		21.8N 120	120.5E	30 LO	250	≻	19910429	073255	5 139	271	38	15
	89 PACIFIC OCEAN	OFF CHINESE COAST-INT W.		21.4N 120	120.7E	55 LO	250		19910429	073302	139		37	15
		CHINESE COAST-INT		Z.	121.0E	55 LO		_	19910429	073308			37	15
6 6	91 PACIFIC OCEAN	OFF CHINESE COAST-INT W.		20.5N 121	. 4E	20 LO	250	z	19910429	073320	139	272	37	15
81	O P PACIFIC OCEAN	SEA ICE				10 LO	250	z						
81	O O PACIFIC OCEAN	CLOUD WAKES OVER ISLANDS			•	100 LO	250	z						
81	R PACIFIC	CES OVER			•			_						
81						50 LO	250	_						
	OAA PACIFIC OCEAN	SEA ICE				90 09	250							
	OAB PACIFIC OCEAN	SEA ICE				60 HO		z						
	PACIFIC	CLOUD FIELD						_						
	PACIFIC	CURRENT BOUNDARY, SNGLT					250	Z						
	PACIFIC	WATER-CLOUDS-BRIGHT					250	Z :						
84 2	29AT PACIFIC OCEAN	CLOUDS-SUNGLINT				90 HO	250	z						

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

į	5	200000		CENTER	NADIR		١		;		֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	3	1	Г
=	<u>+</u>			LON		넴	4	. I	- 1	- 1	1	- [1	T
*	34		STORM-PROTR.CONV.CELL			2	Z	_						_
93	38	PACIFIC OCEAN	SUNGLINT		14.8N 103.6W	80 LO	250 N	N 19910505		20202	141 2	253 72	2 120	_
93	40	PACIFIC OCEAN	SUNGL INT		14.2N 103.2W	80 FO	250 N	N 19910505		202034 1	141 2	255 72	2 120	
93	41	PACIFIC OCEAN	POSSIBLE SULOY NR EQUAT		1.9N 95.9W	50 LO		N 19910505		202413 1	140 2		3 120	
93	42	PACIFIC OCEAN	POSSIBLE SULOY NR EQUAT		1.0N 95.4W		250 N	N 19910505		202430 1	140 2	289 62	2 120	_
93	43	PACIFIC OCEAN			.4N 95.1W	2	Z							_
93	62	PACIFIC OCEAN	SUNGLINT, CLOUDS		_		Z	N 19910506			141 3			_
93	63	PACIFIC OCEAN	SUNGLINT, CLOUDS		8.0S 178.7E	70 LO		N 19910506		022553 1	141 3	301 53	3 124	_
93	64	PACIFIC OCEAN	CLOUDS				z	N 19910506		022615 1	141 3	301 52		_
93	65	PACIFIC OCEAN	CLOUDS, SUNGLINT			60 LO	250 N	N 19910506		022631 1	141 3	302 51	1 124	
;	ę						i							_
8	99		CLOUDS, SUNGLINT		98	2	Z							_
63	67		CLOUDS		.38	오		-						_
93	68		CLOUDS, CARGO BAY		22.5S 172.0W			-		023016 1				_
94	61	PACIFIC OCEAN	WATER BOUNDARIES		39.6N 149.2E	20 LO	100 N	N 19910505		021624 1	145 1	163 57	7 108	
94	62	PACIFIC OCEAN	WATER BOUNDARIES, INT. WVS		39.0N 149.9E	20 LO		N 19910505		021636 1	145 1	164 58	8 108	_
94	63	PACIFIC OCEAN	WATER BOUNDARIES, INT. WVS		38.9N 150.0E	20 LO	100 N	N 19910505		021638 1	145 1	165 58	8 108	
94	64	PACIFIC OCEAN	WATER BOUNDARIES, INT. WVS		38.8N 150.2E	10 10		N 19910505		021641 1	145 1	165 58	8 108	
94	65	PACIFIC OCEAN	SUNGLINT, WATER PATTERNS		38.3N 150.7E	40 LO		N 19910505		021650 1	145 1	166 58	8 108	
94	99		TOO DARK, OVEREXPOSED		37.9N 151.2E	2		N 19910505		021700		167 59	9 108	_
94	67	PACIFIC OCEAN	DRAMATIC CURRENT BOUNDRY		37.6N 151.5E	10 LO	100 N	N 19910505	_	021705 1	145 1	168 59	9 108	_
94	68	_	DARK, LITTLE VALUE		37.3N 151.9E	40 10	100 N	N 19910505		021712 1	145 1		9 108	
95	75	PACIFIC OCEAN	BLUE WATER		4.2S 92.4W	0 0	100 N	N 19910505		202558 1	140 2	295 57	7 120	_
95	94	PACIFIC OCEAN	DISSIPATING T-STORM CELL		12.2S 178.7W	50 LO	100 N	N 19910506	_	022704 1	141 3	303 48	8 124	_
92	92	PACIFIC OCEAN	CLDS, WATER, SUNGLINT		14.5S 177.3W	70 LO	100 N	N 19910506		022744 1	141 3	304 46	-	
151	35				. 8N	오	z							
602	92	PACIFIC OCEAN			21.5N 135.4W	80 HO	100 N	N 19910429		142900 1	139	74 -2		_
602	27		ซ		27.9N 130.6W	80 HO		N 19910429		143100 1				_
602	28		APPROACH, CALIF, COAST		31.1N 128.0W	65 HO	100 N	N 19910429		143200 1		78	8 19	
602	53		. CALIF.		31.1N 128.0W	55 HO	Z			•		-	8 19	
209	30	PACIFIC OCEAN	APPROACH. CALIF. COAST 35.	35.0N 120.0W	31.1N 128.0W	45 HO	100 N	N 19910429		143200 1	139	28	9 13	
802	31	PACIFIC OCEAN	CALIF. COAST, CHANNEL IS 33.	33.0N 120.0W	31.1N 128.0W	50 HO	100 N	N 19910429		143200 1	139	78	19	
603	23	PACIFIC OCEAN	F MOON		20.35		=						5 27	
605	27					오	Z			•		9		_
605	61	PACIFIC OCEAN	ō			9	Z					79 12	_	
809	67		SHUTTLE PAYLOAD EXPER.			오	Z				~			_
808	68	PACIFIC OCEAN	_		55	오	z							_
610	49	PACIFIC OCEAN	SULOYS, SUNGLINT		27.0N 114.7W	07 0		N 19910430				261 50	0 40	_
610	51		CLOUDS, SUNGLINT			60 HO	250 N	N 19910430		223800 1	137 2	285 -3	3 40	_
612	22				168		100 N	N 19910429					9 24	_
612	23	PACIFIC OCEAN	SUNGLINT, CLOUDS		56.3N 168.0E	55 LO	100 N	N 19910429		221100 1	138 1	129 39	9 24	_
												l		1

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

FR GEOGRAPHIC NAME	쌜		FEATURE	CENTER LAT LON	NADIR LAT LON	IR	CC TL	FL E	S S	DATE	GMT	A ^F		_=	S S
PACIFIC OCEAN SUNGLINT,	SUNGLINT,	۱.	CLOUDS		56.3N	168.0E	50 LO	1001	U N	19910429	221100	138	129	39	24
SUNGLINT,			SO		38	168.0E		_	2	19910429	221100	138		39	24
PACIFIC OCEAN SUNGLINT,			SO		S.	•		_	z	19910429	221100	138		39	24
PACIFIC OCEAN SUNGLINT,	-	-	S		₹ 6.	•				19910429	221200	138	138	41	24
PACIFIC OCEAN SUNGLINT,			S		2 6.	•				19910429	221200	138	138	41	24
PACIFIC OCEAN SUNGLINT,			S		N 6.					19910429	221200	138	138	41	24
PACIFIC OCEAN SUNGLINT,			S			174.9E			Z	19910429	221200	138	138	41	
PACIFIC OCEAN SUNGLINT,	_	_	s			178.0W			2	19910429	221300	138	147	44	
PACIFIC OCEAN SUNGLINT,			ა		Z.				Z	19910429	221300	138	147	44	24
33 PACIFIC OCEAN SUNGLINT, CLOUDS	•	•	S		57.1N	178.0W	75 10	100	 Z	19910429	221300	138	14/	4 4	24
OCEAN ISLAND		MALDEN ISLAND		. OS	4.15	155.5W		250 N	2	19910129	031144	138	286	15	12
PACIFIC OCEAN ISLAND		HELEN REEF-HALH	AMERA SEA	132.	3.2N	132.0E		250 N		19910429	073828	138	284	22	15
PACIFIC OCEAN ISLAND TAONGI A	•	TAONGI ATOLL		.6N 169.	13.8N	167.2E		_	Z Z	19910430	042930	138	277	37	53
OCEAN ISLAND	NUGURIS			.25 154	4.25	155.0E		250 1		19910430	060426		287	21	၉ ဗ
PACIFIC OCEAN ISLAND MUGUKIS	TULLIN	·		3.25 154.bt	4. d	155.4E	2 2	007	2 2 2 2	19910430	060430	13/	197	7 7	ج د
OCEAN ISLAND	_ •-	TIE IN TS		85 155	5.53 0.03	155.0E				19910430	060455		287	2 0	3 8
PACIFIC OCEAN ISLAND	ISLAND	ELLICE IS. CLOUD	STREAKS	.05 177.	5.35	177.2E			: Z	19910506	022505		299		124
PACIFIC OCEAN ISLAND	ISLAND	FLINT ISLAND		45 151	10.25	152.8W		100		19910505	010201		295		107
OCEAN ISLAND TUAMOTU	TUAMOTU		IROA	.15 147	14.45	150.2W		100	2	19910505	010318		298		107
40 PACIFIC OCEAN ISLAND TUAMOTU IS.	TUAMOTU			15.5S 146.5W	14.65	150.1W	40 LO	100	2	19910505	010321	141	298	46 1	107
	TUAMOTU				15.18	149.7W	50 LO	100		19910505	010331	141	298	45 1	107
PACIFIC OCEAN ISLAND TUAMOTU	TUAMOTU			. 5S	15.95	149.3W		100	z	19910505	010344		298	45 1	107
PACIFIC OCEAN ISLAND TUAMOTU I	TUAMOTU I	_		. 0S	16.15	149.1W			z	19910505	010349	142	298		107
PACIFIC OCEAN ISLAND	TETIAROA	8	_	.0S 149.	16.85	•			z	19910505	010401	142	299		107
PACIFIC OCEAN ISLAND TAHITI	TAHITI			. 6S	17.18			100		19910505	013407	142	599		107
PACIFIC OCEAN ISLAND TUAMOTU	TUAMOTU		"	.0s	20.15	146.5W		001	z: z:	19910505	010502	142	300		107
PACIFIC OCEAN ISLAND SOCORRO	SOCORRO	SOCORRO ISLAND		.ON 111.	27.0N	•			z :	19910430	222000	13/	261	900	9 ;
53 PAKISTAN MAKKAN KANGE-UUETTA 54 PAKISTAN SULAIMAN RANGE	MAKKAN KANGE-UL SULAIMAN RANGE	SULAIMAN RANGE - UL	JE I A	30.5N 67.0E 29.5N 68.5E	29.1N 28.1N	59.5E 70.3E	2 9	250 7	 2	19910429 19910429	1038201	140	262 263	4 4 2 6	17
at Circles Control of	TO STRUCK	3170			7	90			2	0,00			4 0 0	:	:
TANIS SURFICE	JUNEAU SURVINIOS	SURFUR TRUCKS		5	, ,	10.01		000		67401661	10001		* 0 0	;	: :
PAKISTAN JAMRAO C	JAMRAO CANNAL-1	JAMRAO CANNAL-1	DES.	26.0N 69.0E	25.	/2.2t		250		19910429	103055		566	41	17
PAKISTAN THUNDERS	THUNDERSTORMS	THUNDERSTORMS				/3.0E			Z	19910429	103115		268	40	1/
	CAPE NUH, C. JIWA	CAPE NUH, C. JIWA	cst.	62.	25.	64.2E		_	z	19910501	101636		253	54	49
PAKISTAN	LAGOON, CENT. MA	LAGOON, CENT. MA	RA.	64		64.9E		_	Z	19910501	101653		254	53	49
PAKISTAN HIMALAYA	HIMALAYA MTN	HIMALAYA MTN:		76		77.2E			Z	19910430	010040	142	78	2	27
PAKISTAN KARACHI			AREA, INDUS DELTA	.8N 67	24	69.4E	9		Z Z	19910430	102434	139	265	46	33
PAKISTAN	INDUS DELTA	INDUS DELTA		.ON 68		69.8E		250 A		19910430	102444	138	265	45	က က
1/ PAKISTAN MAKKAN/SULAIMAN	MAKRAN/SULAIM	MAKKAN/SULAIM	IN KANGES	30.0N 67.0E	31.68	67.3E	25 LO	001	~ ·	19910429	102900	138	258	٠ ئ	91
NET COOK	- 1	- 1		5		٠.	- 1			67101661	00001	3	303	2	2

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

R	3	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	ER LON	NADIR LAT LO	LON LON	71 23	F E	S DATE	GMT	A.	AZ SUN	- ଘ	e B
601	19	PAKISTAN	INDUS RIVER, THAR DESERT	26.0N	70.0E	28.5N	70.0E	20 HO	100 N	N 19910429	103000	138	263	43	16
601	21	PAKISTAN	INDUS RIVER, THAR DESERT	26.0N	70.0E	25.3N	72.5E	20 HO	100 N	N 19910429	103100	138	267	41	16
603	လ	PAKISTAN	INDUS RIVER VALLEY	29.0N	71.0E	27.3N	69.5E	20 LO	100 U	N 19910430	005800	139	75	7	26
603	9	PAKISTAN	INDUS RIVER VALLEY	30.0N			69.5E		100 U		005800	139	75	~	26
603	7	PAKISTAN	OF HIMALAYAS	32.5N	74.5E		72.1E	2 10	100 U	N 19910430	005900	139	9/	S	26
603	58	PAKISTAN	DELTA, KARACHI	25.5N	66.0E		68.0E	15 HO	100 N	N 19910430	102400	137	264	47	32
93	22	PARAGUAY	& PARANA R	27.25	58.8W	38	55.3W	40 LO	250 N	N 19910505	190304	142	305	33 1	119
95	44	PARAGUAY	DGE CONSTRUCTION	27.55	56.5W	25.65	95.8W	20 LO	100 N	N 19910505	190246	142	305	33 1	119
71	99	PERSIAN GULF	D SMOKE-ENTIRE F						_	N 19910428	120548	• •	265		7
7.1	67	PERSIAN GULF	OIL FIELD SMOKE-ENTIRE F		- •	27.3N	52.3E 1	100 LO	250 N	N 19910428	120608	138	997	37	7
11	89	PERSIAN GULF	SMOKE-LAND VISFUZZY			27.2N	52.4E	90 LO	250 N	N 19910428	120610	138	266	37	7
7.1	71	PERSIAN GULF	IRANIAN CST-BUSHEHER	28.5N	51.0E	26.8N	52.6E	5 10	250 N	N 19910428	120617	138	267	37	~
71	72	PERSIAN GULF	KUWAIT SMOKE-ENTIRE FRAM		. •	Z.		100 LO	250 N		120619		267	37	2
71	11	PERSIAN GULF	QATAR-KUWAIT SMOKE	26.5N	51.5E	25.9N	53.3E	0 TO	250 N	N 19910428	120634	138	268	36	~
11	78	PERSIAN GULF	SAUDI COAST-KUWAIT SMOKE			25.7N	53.5E	15 L0	250 N	N 19910428	120638	138	268	36	7
71	81		QATAR COAST	26.0N	52.0E		53.8E		_	-			569	36	7
71	82		KUWAIT SMOKE, LAND			Z	53.9E		250 N		120649		569	36	7
71	83			26.0N		25.0N	4		_	4-4	120651		569	36	~
71	84		WAVES-SMOKE-DAYYINAH	25.0N	. 5E	24.6N	54.3E	5 LO	_	Y 19910428	120659	138	269	35	~
72	63	PERSIAN GULF	OIL WELL FIRES/PLUMES	29.5N	48.5E			N 0	250 N	>-					
72	64	PERSIAN GULF	OIL WELL FIRE PLUMES	29.0N	48.5E			≥	250 N	>-					
72	65	PERSIAN GULF	OIL WELL FIRE PLUMES	28.5N	49.5E			07 0	250 N	z					
72	99	PERSIAN GULF	FIRE PLUMES	28.0N	50.0E			5 60	250 N	z					
72	67	PERSIAN GULF	WELL FIRE PLUMES	27.5N	50.5E				250 N	z					
72	89	PERSIAN GULF	FIRE PLUMES	27.0N	51.0E				250 N	z					
604	6	PERSIAN GULF	KUWAIT OIL FIRES/PLUMES	29.0N		29.2N	38.8E	5 HO	250 N	N 19910501	114500	137	255	54	49
604	11		OIL 0	29.0N	. 5E	29.2N	38.8E	5 HO			114500	•	255	54	48
909	55	PERSIAN GULF	QESHM, TUNB ISLANDS	26.5N	55.0E		52.2E		250 N		095400		246	67	96
88	41	PERU	AMAZON RIVER			1.15	₹.						286	22	24
96	70	PERU	CLOUDY			16.45	72.4W 1	100 LO	250 N	N 19910502	204714	135	291	35	72
96	11	PERU	COAST NW. OF TACNA	17.58	71.0W	17.08	72.0W	07 0	250 N	N 19910502	204725	135	291	35	72
96	72	PERU	NW. OF TACNA, OV. EXPOSED	17.75	70.5W	17.45	71.7W	30 00	250 N	N 19910502	204732	135	282	34	72
809	58	PERU	LAKE TITICACA	16.05	MG . 69	12.15	75.1W	15 LO	250 N	N 19910502	204600	135	295	27	7.1
809	59	PERU	LAKE TITICACA	15.58	70.0W	12.15	75.1W	15 LO	250 N	Y 19910502	204600	•	295	27	71
79	35	PHILIPPINE SEA	INTERNAL WAVES-SHIP WAKE			18.8N 1	.22.5E	5 1.0	250 N	N 19910429	073348	139	274	36	
74	ç	PHILIPPINES	LUZON-CORREGIDOR	14.5N		14.0N 1	120.3E	20 NV	250 N	Y 19910506	051839	142	261	73 1	126
74	9	PHILIPPINES	LUZON-LAKE TAAL	14.0N			120.8E		250 N	Y 19910506	051853		264		126
74	7	PHILIPPINES	Z				121.0E		250 N	-			597		126
	ထ	PHILIPPINES	PART		E	8.	121.6E			N 19910506			269		26
74	o	PHILIPPINES	LUZON-NEAR LINGAYEN GULF	17.0N	120.5E	11.6N 1	121.7E	20 FO	250 N	Y 19910506	051921	142	269	72 1	126
														İ	

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

<u></u>	æ	GEOGRAPHIC NAME	FEATURE	CENTER	NADIR		DATE	GMT A	A7 S(NO.	- a
74	5	PHT! TPPTNFC	I II TON-I INGAVEN GIII E	16 ON 120 OF	11 5N 121 RF	10 250 N	19910506	4	07.0	۱.	126
74	; ;	STATESTA	LIZON-EACT COACT		1. 2. V	10 250 N	10010506				2 2
7.4	: 2	PHI IDDINES				2 5	910506				126
74	<u>-</u>	PHII IDDINES	I II TON-I ODE 7 B -TAVARAC B		20.11	10 250	19910506				26
74	1 4	VINI DELL'ILLE	TIA SMOG		10. CI	10 250 N	19910506				126
7.4	. 5	DHI IDDINE	MARTNOIDIE ISLAND		10.01	10 250 1	19910506				126
74	9	SHILL THE	LIZON-RONDOC PENTINGEL A	2	10. 5. 8.	10 250 N	19910506				126
74	1 2	SULL TOTAL	LUZON-CAN MIGHEL RAV		10.01	10 250 1	10010506				126
7.4		DHIT IDDINES		ON 123	10 2N 122	10 250					126
74	13	PHILIPPINES	LUZON-TICAO ISLAND	123.	10.0N 122.	2				7.1	126
7.4	50	PHILIPPINES	MASBATE ITICAO ISLAND	5N 123	N6 . 6	LO 250					126
7	21	PHILIPPINES	PANAY	123.	9. ek	2		051958 141			126
74	22	PHILIPPINES	LEYETE	11.5N 124.5E	8.6N 123.6E	60 LO 250 N N	19910506	052016 141	1 278		126
74	23	PHILIPPINES	NEGROS-EASTERN COAST	10.5N 123.5E	8.0N 123.9E	70 LO 250 N N	19910506	052027 141	1 280	69 1	126
74	24	PHILIPPINES	SIQUIJOR ISLAND	9.0N 123.5E	7.5N	250	19910506	052035 141		69 1	126
7.4	25	PHILIPPINES	BOHO-LEYTE	10.0N 125.0E	7.2N	LO 250	19910506	052041 141		68 1	126
74	97	PHILIPPINES	CAMIGUIN ISLAND-BOHO	9.0N 124.5E		80 LO 250 N Y	19910506 0	052046 141		68 1	126
7.4	27	PHILIPPINES	SIARGAO IBUCAS GRANDE	10.0N 126.0E	6.4N	60 LO 250	19910506	052054 141	1 283	68 1	126
7.4	87	PHILIPPINES	MINDANAO-DUMANQUILAS BAY	8.0N 123.0E	5.9N 125.1E	60 LO 250 N N	N 19910506 0	052103 141	1 284		126
74	59	PHILIPPINES	MINDANAO-MINDANAO RIVER	7.0N 124.0E	5.4N 125.4E	80 LO 250 N Y	7 19910506 0	052112 141	1 285	67 1	126
7.4	20	PHTITODINES	STATE NATIONAL STATE	7 ON 124 SE	6 3N 125 SE	70 10 250 N V	10010506 0	052115 141	286	£7.1	126
) .	031110011110	20000	1 2 6	5 6	70 10 250				9	9 6
	7 6	PUTLIFIED	MINDANAG-PADADA KDAVAG	. C21 NO	20.0	050 07 07	00001661			8	071
7 7	32	PHILIPPINES Duti tobtus	MINDANAG-SOUTHERN END	7 ON 125.5E	4.4N 120.UE		19910506	052130 141	/87 1	9	971
			. 685-3210		# T	10 530 M	00001661			0 0	071
2 6	۲ •		2 :	10.0N 126.0E	11.0N	25 LO 250 N	19910429			53	15
80	→ (PHILIPPINES	ׅׅׅׅׅׅׅׅׅׅ֡֜֝֟֜֜֜֜֜֜֜ ֚		χ. Σ.	35 LO 250 N	19910429			21	ç
8	7	PHILIPPINES		.0N 125	8.7N 128	LO 250	19910429			27	15
80	ന	PHILIPPINES		.5N 125	8.1N 129	2				27	15
80	4	PHILIPPINES		6.5N 125.0E	9	2	19910429 0	073729 138	3 282	52	15
71	7	POLAND	CLOUDS-AGR-EXTERNAL TANK		53.0N 15.5E	90 LO 250 N N	1 19910428 1	115630 120	205	49	7
11	∞	POLAND	CLOUDS-AGR-EXTERNAL TANK		52.8N 16.3E	90 LO 250 N N	19910428 1	115638 120	203	64	2
7.1	œ	POLAND	CLOUDS-EXTERNAL TANK		52.7N 16.5E	70 LO 250 N Y	19910428 1	115640 121		49	~
7.1	10	POLAND	TERNAL		16	10 250	19910428			49	. ~
11	11	POLAND	TERNAL			2	19910428			40	. ~
7.7	12	POLAND	TERNAL		52.2N 18.1F	10 250 N	19910428			4	٠,
7.1	13	POLAND	TERNAL			10 250	19910428			4	. ~
7.	14	POLAND	TERNAL			10 250 N	19910428			4 5	
71	15	POLAND	TERNAL			LO 250				9	. ~
7.1	16	POLAND	TERNAL			LO 250				49	~
79	99	POLAND	GDANSK-GULF OF DANZIG	54.5N 19.0E	53.3N 20	LO 250	_			34	15
			ı				1	1	1		

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER		NADIR							SE	
교	۳	GEOGRAPHIC NAME		LAT	۱	- 1	구 23	교	S DATE		GMT	IL AZ		- 1
87	93	POLAND	VISTULA R, KALININGRAD B.	54.1N	.3E 53		10 LO	250 U	13			145 1:		
87	103	POLAND	HELSKA SPIT, GDYNIA, AFLD	54.5N	18.5E 56.5N	17.7E	0 0	250 N	N 19910429		101812 1	145 10	169 47	
602	64	PORTUGAL	SETUE		9.0W 40.0N	M9.6	45 LO	100 N	N 19910429		145500 1	138 24		
602	65	PORTUGAL	•	37.5N	9.0W 40.0N	M9.6	35 LO	100 N	N 19910429		145500 1	138 2	240 50	
602	99	PORTUGAL	_	38.5N		M9.6	40 LO	100 N	N 19910429		145500 1	138 2	240 50	
602	67	PORTUGAL		37.0N					N 19910429					
83	96	PUERTO RICO		18.0N	.0W 19	·C		250 N	N 19910429					
82	8	PUERTO RICO		18.1N	17	ø			-					
151	207	PUERTO RICO		18.5N	17.									
7.1	80		. ≤	25.5N	25									2
85	81	QATAR	SAND STORM, E. SIDE, GULF	5.5N	27	55		250 N						18
151		QATAR	SMOKE PLUMES, BAHRAIN	26.0N	51.0E 24.0N	1 46.7E		250 N	N 19910430		115406 1	138 20	264 46	
81	0 E	REPUBLIC SOUTH AFRICA	AGR, ROADS						z					
81	0	REPUBLIC SOUTH AFRICA	AGR, SALT PANS					250 N	z					
81	9 0	REPUBLIC SOUTH AFRICA	STORMBERG, KRAAL R.	31.25	27.7E			250 N	z					
95	OA	REPUBLIC SOUTH AFRICA	CAPE TOWN AREA	33.85	18.7E 31.7S	17	90 PO	100 N	N 19910505		143545 1	143 30	304 26	
95		REPUBLIC SOUTH AFRICA	CAPE TOWN AREA, CIRRUS	33.75	18.8E 32.2S	18.	90 CO	100 N	N 19910505		143552 1	143 30	304 25	
98	7		TOWN AREA,	.0S		3 18.2E	70 LO	100 N	N 19910505		143557 1	143 30	304 25	116
95	ო			3.4S	19.0E 32.9S	18	60 10	100 N	N 19910505			143 3(304 25	
95	4	AFRICA	NEAR	3.45	33	19		100 N	N 19910505		143621 1		303 2	
)	•					:							•	
73	98	ROMANIA	CARPATHIAN MOUNTAINS		44.7N			_	Y 19910429		053903 1	144		
73	66	ROMANIA	CARPATHIAN MOUNTAINS		45.2N		95 LO	250 N	Y 19910429		053914 1	144	93 24	
74	94	ROMANIA	CLOUDS-KIKINDA	46.0N	21.0E 47.9N	N 18.5E	07 06	250 0	Y 19910506		093622 1	145 1	141 50	129
74	97	ROMANIA	CP NEAR CRAIOVA	44.5N	24.0E 46.5N		20 LO	250 N	Y 19910506		093656 1	145 1,	144 52	
74	86	ROMANIA			46.									
7.4	66	ROMANIA	DANUBE RIVER	44.0N	25.0E 46.2N	21	40 LO	250 N	Y 19910506	_	093703 1	145 1	145 52	-
82	55	ROMANIA	DANUBE R, AGR.	44.0N		~	10 NV	250 N	N 19910501		114006 1	141 20		
151	125	SARDINIA	0N OF	39.5N	.5E 39	တ				-				1 35
209	28	SARDINIA	SW COAST, OUT OF FOCUS	39.5N	8.5E 41.3N	7	40 LO	100 N	N 19910430			136 23	ა	
7.1	69	SAUDI ARABIA	PERSIAN GALJUBAL-SMOKE	27.5N	50.0E 27.1N	1 52.4E	0 0	250 N	N 19910428		120612 1	138 20	267 3	7 2
71	7.0	SAUDI ARABIA	KUWAIT SMOKE-CLOUDS		26.9N	1 52.65	07 09	250 N	N 19910428		120615 1	138 2	267 37	
7.1	73		PG CST-SMOKE-RAHIMAH	27.0N				250 N						
7.1	74	-	PG CST-SMOKE-AR RIYAS	27.0N	26			250 N	Y 19910428					7
71	75	SAUDI ARABIA	PERSIAN G. CST-SMOKE	27.0N	49.5E 26.1N	S	0 0	250 N	Y 19910428		120630 1			
7.1	79	SAUDI ARABIA	SAUDI COAST-KUWAIT SMOKE	26.5N	50.0E 25.5N	1 53.6E	01 0	250 N	N 19910428		120641 1	138 20	268 3	
72	69	SAUDI ARABIA	AB JABAYL, SMOKE PLUMES	27.0N	49.5E		5 LO							
81	16		RRIG P	27.5N				250 0						
82	27		LAVA	27.4N	.0E 26.			250 N	N 19910501					
85	58	SAUDI ARABIA	—	19.9N		46.0E		250 N	N 19910501					99
82	£6	SAUUI AKABIA	URUQ AZ ZAYZA		NG . / 1		2	250 N	N 19910501	1	114841 1	13/ 2	26/ 49	

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

					CENTE	٥	MADTO							ľ	NII	
<u>ج</u>	<u>بر</u>	GEOGRA	GEOGRAPHIC NAME	FEATURE	LAT	LON	LAT	z	CC TL F	S 1 1:	DATE	GMT	AL	A2,	<u></u> =	ö
87	18	SAUDI	ARABIA	SALWAH BAY, G.BAHRAIN	25.5N	50.0E 2	5.5N 5	3.7E	40 10 25	250 U N	19910428	120651	1		ŀ	2
87	19		ARABIA	≽	24.7N	50.7E 2	4.9N	54.1E	2	250 U Y	19910428	3 120702				7
87	20		ARABIA	`.			4.8N	54.2E	2	-	19910428	3 120704			36	~
87	27	SAUDI	ARABIA	\mathbf{H}			21.9N 56	6.2E	2	250 N Y		_		272		7
87	28	SAUDI /	ARABIA	URUQ AS SARIT-DARK	21.5N		21.8N 56	6.4E	0 10 25		19910428	3 120800				7
87	53	SAUDI	ARABIA	URUQ AS SARIT-VERY DARK			21.7N 56	6.4E	2		19910428			272		7
06	15	SAUDI	ARABIA	DARK FRAME		~7	24.7N 50	. 1E	2	z	-					18
06	16	SAUDI	ARABIA	DARK FRAME, SAND DUNES		~7	20.0N 53	. 4E	2	250 N N	19910429		-			138
06	17	SAUDI	ARABIA	DARK FRAME, SAND DUNES		-	19.3N 53	3.9E	10 LO 28		1991042	9 120223			37	18
06	18		ARABIA	MELY DARK		-	18.5N 54	. 5E	L0 2		1991042	9 12023	8 139	274	36	18
	,						į		•	7	•				•	•
06	3.5		AKABIA	٤.	N6./I		n	3.8E	רח ק						? (0 :
06	20		ARABIA	DK., JABAL SAMHAN AREA	7.0N		Z	26.0E	2	Z			-			18
151	109	SAUDI	ARABIA	IRRIGATION FIELDS			20	45.2E	2							34
151	110	SAUDI	ARABIA	IRRIGATION FIELDS	27.5N	47.0E 2	Z S	. 6E	2	z	7					34
151	112	SAUDI	ARABIA	SMOKE PLUMES, BAHRAIN	25.0N	49.0E 2	23.2N 47	47.2E	20 HO 29	250 N N	19910430	0 115420				34
151	113	SAUDI	ARABIA	IRRIGATION FIELDS	4.0N	49.0E 2	22.3N 47	47.9E	5 LO 2		1 19910430	0 115437	17 138	1 267	45	34
151	114		ARABIA	EMPTY QUARTER, DUNES		-	SN SN	50.5E	2	z	J 19910430	115546		1 271		34
151	115	SAUDI	ARABIA	EMPTY QUARTER, DUNES		-	17.5N 51	51.2E	40 LO 29	250 N N	19910430	0 115605	5 138	1 273		34
601	53	SAUDI	ARABIA	DESERT, S	28.0N	46.0E 3	30.4N 45	. 7E	40 LO 10	100 N N	19910429	9 115900	138	3 260	45	17
601	54		ARABIA	SMOKE	6.0N	.0E		. 2E	55 LO 10		N 19910429	3 120000	138	3 265		17
601	55		ARABIA	•			2№	. 2E	오	⊃						17
601	99		ARABIA	QUARTER,			2	50.7E	全	2						17
601	27		ARABIA				NO.	50.7E	皇	z						11
601	28		ARABIA	EMPTY QUARTER, HAZE			8	50.7E	오	z	_		-			17
601	29	SAUDI	ARABIA	EMPTY QUARTER, HAZE			8 8	53.0E	오	z	-					11
601	9		ARABIA	DISSECTED PLATEAU	№		8 8	53.0E	오	Z	-					17
607	56		ARABIA	VIEW NE TOWARD KUWAIT	28.0N	48.0E 2	46	. 4E	오	100 N N		115400				33
607	27		ARABIA	DES., IR		.~	4.5N 46	. 4E	2	z	-					33
607	28	SAUDI	ARABIA	TOWARD			48	. 7E		100 N N	199				44	33
607	53	SAUDI 1	ARABIA	VIEW EAST TOWARD QATAR	25.0N	51.0E 2	21.3N 48	. 7E	오	_	19910430	115500	0 137	270	44	33
609	61	SAUDI	ARABIA	IRRIGATION PLOTS		(7)	33.3N 42	42.0E	2		19910505	5 094700	0 142	209	71	112
609	65	SAUDI	ARABIA	IRRIGATION PLOTS		m	30.2N 44	44.8E	0 10 25		19910505	5 094800	0 142		72	112
11	9	SEA OF	OKHOTSK	CLOUDS		47	141	. 8E	95 LO 28	250 N N	19910428	3 234548	8 145		38	2
84	29AJ	SEA OF	OKHOTSK	SEA ICE/FLOWS, SUNGLINT					2							
84	29AK		OKHOTSK	FLOWS												
84	29AL		OKHOTSK	SEA ICE/FLOWS					2	250 N Y						
84	29AM	I SEA OF	OKHOTSK	SEA ICE/FLOWS					2	z	_					
605	12		OKHOTSK	N., ICE	57.0N 14				오	z						88
605	15			FLOW, W. COAST	NO.	. 0E	2		오	250 N N	7	~		116	34	83
909	16	SEA OF	OKHOTSK	ICE FLOW, AMUR R. DELTA	55.0N 14	143.0E 5	57.1N 147.	. 5E	45 HO 25	250 N N	19910503	1 231200	0 139			83

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

-	4			CENTER	ŅADIR	JIR	, ,	ī	2740	147	- -	, <	SUN	Ĉ
¥ ;	٤ .	GEOGRAPHIC NAME		LAI	Γ	LON	- 1		. I	ł	Т	1	1	5
ç02 202	`	SEA UP UKHOISK	ICE PLOW, CLOUDS	1	· ·	14/.DE		N 007	→ ·	-	٠,	ם מב		D (
610	23	SENEGAL	INTERNAL WAVES	.5N 17.	16.	16.5W					~			36
610	24	SENEGAL	LK. DE GUIERS, SENEGAL R	16.5N 16.0	0W 16.7N	16.5W		250 N	N 19910430		~			36
610	52	SENEGAL	SALOUM RI., KAOLACK	14.0N 16.5W	5W 16.7N	16.5W	0 0	250 N	N 19910430	30 162500	_	37 275	42	36
610	56	SENEGAL	:	14.0N 16.5W	5W 16.7N	16.5W	0 0	250 N	Y 19910430	30 162500	00 137	7 275	42	36
80	80	SICILY	TRAPANI	NO.	5E 38.4N	14.9E	40 LO	250 N	Y 19910429	29 132557	57 142	2 244	49	19
80	81	SICILY	TRAPANI	8.0N 12.	5E 38.2N	15.2E	55 LO		Y 19910429	29 132602	02 142	2 244	49	19
80	82	SICILY	TRAPANI	7.5N 13.	38.	15.3E			Y 19910429	•	04 142	2 244	49	19
80	83	SICILY	CLOUDS-SOUTHERN COAST	.5N 13	38	15.5E		250 N	Y 19910429		07 142		49	19
80	84	SICILY	CLOUDS-SOUTHERN COAST	7.5N 13		•	75 LO	250 N	Y 19910429	29 132611	11 142		49	19
80	8.5	SICILY	SOUTHERN COAST-SED PLUME	36.5N 15.0	DE 36.4N	17.1E	30 10	250 N	N 19910429	29 132638	38 141	1 248	48	19
9 4	9 6	× 1010		20 5M 46 00	,	32.01			1001040		٠.			9
101		SICILI	MI. EINA, MEULIAN IS.	20.0		10.00			٠.					, c
7 00	n	31016	1	.01		11.05								9 9
700	2;	SICILI		3 ;	, ,	13.61		2 007			٠,			9 9
209		SICILY		CI NC.	ς α	•			N 1991U429					2 9
209	15		G WEST	. ON 15.	ξ S	•		100 N	-					2
610	59		. INT.	.5N 13.	10	12.4W								36
610	30	SIERRA LEONE	SHERBO IS., INT. WAVES		10.0	•		250 N	-		_		લ	36
98	69	SOCIETY ISLANDS	MAUPITI	16.55 152.		152.0W	20 NV	250 N	_		~			5 8
86	70	SOCIETY ISLANDS	BORA-BORA	16.55 151.8	8W 17.1S	151.7W	20 NV	250 N	N 19910430	30 030909	09 138	8 288	æ 	78
- 6	;			,	,								•	6
80	-			151	_	151.4%		_	_		٠,			87
603	22	SOCIETY ISLANDS	BORA-BORA, UTUROA IS.	.55 151	13	153.9W			-	_	-			27
82	64	SOCOTRA	_	.5N 53	12	50.5E					_			9
607	30	SOCOTRA	• •	54	14	53.0E								33
607	31	SOCOTRA	ARABIAN SEA	13.0N 55.(ш	53.0E		100 N	N 19910430		-			33
85	65	SOMALIA	HAFUN PENINSULA	10.5N 51.2	2E 11.4N	51.1E			-					20
85	99	SOMALIA	HAFUN PENINSULA	10.5N 51.2E	2E 11.0N	51.4E	15 LO	250 N	Y 19910501	1115037	37 136	6 275	45	20
85	67	SOMALIA	HAFUN PENINSULA	10.5N 51.7	.2E 10.5N	51.7E	15 LO	250 N	Y 19910501	1115046	~	6 276		20
90	80	SOMALIA	JUBA RIVER	42	.5E 1.1N	42.2E	70 LO	250 N	N 19910429	29 133725	-	38 285		13
06	81	SOMALIA	JUBA RIVER	1.0N 42.5	5E .5N	42.6E	70 LO	250 N	N 19910429	29 133736	36 138	8 285		13
6	6	COMAL TA	799000	1 ON 44	0F 2S	43 OF	43.10	250 N	N 19910429	00 133749	49 138	285	21	9
2 4	3,6	SOMALIA	, ,	•		13.00			N 10010429					9 6
101	¥ 0 c	SOMALIA	VERT DARK		S. 18	41.05								B C
101	0 .	SOMALIA	-		20.	43.2E		2 007	7401661 N		→ -		3 ?	9 .
700	47	SOMALIA	7 (•	41.36	200	_	07401881 N	133/00	138	297 9		9 9
700		SOMELIA				41.35		2 3	7401661 N					9 5
	4 4				23.55	80.1W			7					120
95	9/		-		25.15	10.0€			-					120
95	11		3		25.45	•			N 19910505					120
95	78	SOUTH AMERICA	•		•	•		100 N	N 19910505		₩.		m	120
95	79	SOUTH AMERICA	PANORAMA, CHILE, ANDES		27.05	77.5W	50 HO	100 N	N 19910505	5 20325	54 142	2 305	32	120

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR	;					;	SE		
æ	٣	GEOGRAPHIC NAME	FEATURE	LAT LON	- 1	3	- I	2	ı	E S	A	-		š
95	80	SOUTH AMERICA	PANORAMA, CHILE, ANDES		38	80		z		203319	142			20
95	81	SOUTH AMERICA	PANORAMA, CHILE, ANDES		29.8S 75.2W	90	동 100	z	19910505	203347	143			20
151	208	SOUTH AMERICA	DEFOREST., BRAZIL, GUYANA		4.3N 58.3W	55	LO 250	z	19910501	192001	136			55
74	2	SOUTH CHINA SEA	SULOYS		17.9N 117.8E	0	LO 250		19910506	051727	142			26
74	ო	SOUTH CHINA SEA	LINEAR FEATURE-SUNGLINT		17.2N 118.2E	2	LO 250	Z	19910506	051740	142	246		26
7.4	4	CHINA			16.8N 118.5E	0		Z	19910506	051748	142		75 1	26
80	31	SOUTH CHINA SEA	NEAR COAST OF MALAY PEN.		2.9N 109.5E	90	HO 50	× × 0	19910429	090810	138	284		16
80	32	CHINA	MALAY PEN.		111.	9	HO 50	Z	13910429	090903	138	٠,		16
84	43	CHINA	¥		112	40	~	N N	19910503	070523	135	_	62	79
8	44	SOUTH CHINA SEA	OCEAN STRUCTURE		10.2N 112.9E	E 35	LO 250	z	19910503	070533	135	252	9	62
79	27	SOUTH KOREA	DMZ-NORTH, SOUTH KOREA	38.5N 128.5E	38.4N		NV 250	z	19910429	055800	142	245	48	14
79	28		NEAR SAMCHEOG-COAST	5N 129	37.4N 129.9E	E 55	NV 250	z	19910429	055821	142	248	47	14
79	53		NAKTONG RIVER		36.5N			Z	19910429	055839	141	249	47	14
	80			126	36.5N		LO 250	z	19910430	055159	141	243	51	30
98	81	SOUTH KOREA	₹.	126		Е 0	LO 250	_	19910430	055227	140	246	51	30
87	55	SOUTH KOREA	MOUNTAINS		37.1N 128.2E			z	19910428	220827	143	84	17	6
75	က	SPAIN	ST. OF GILBRALTAR	36.0N 5.5W		W 25	LO 250	z	19910428	150245	142	253	44	4
79	43	SPAIN	GIBRALTER	36.0N 5.5W	37.2N 8	2		_		070607	143	83	15	15
79	44	SPAIN	HUELVA-ATLANTIC COAST	NO.	37.9N 7.	0	LO 250	>	o	070621	143	84	16	15
79	45	SPAIN	HUELVA-ATLANTIC COAST	37.0N 7.0W	38.1N 7.	2W 6	LO 250	-	19910429	070625	143	84	16	15
	9	11.400		9	20 07		_	=	001001	91.020	:	6	ç	4
D (9 !	NIKIO		o 1	40.0M 4.			o :	62401661	01/0/0	2	6	n (2 1
6/	4	SPAIN	P020	ON 3.	42.1N 2			-	19910429	0/0/48	143	S .	50	15
6/	φ :	SPAIN	CUERDA DEL POZO RES.	5N 2	42.2N 2.				19910429	070752	143	5 8	50	15
6/	49	SPAIN		-	43.1N 1.			⊃	19910429	0/0810	144	90	21	15
83	ထ	SPAIN	CADIZ, ROTA, SHTL L. FLD	.5N 6	36.6N 5.	¥ 15		> ~	19910429	145610	141	247	48	
83	တ	SPAIN	CADIZ, HARBOR, COAST	9	36.1N 5.			z	19910429	145621	141	248	48	20
83	10	SPAIN	STR./GIBRALTAR,CEUTA	Š.	35.9N			Z	19910429	145625	141	249	48	20
83	11	SPAIN	STR./GIBRALTAR,CEUTA	. IN 5.	35.7N 4.			Z	19910429	145629	141	249	48	20
83	15	SPAIN	STR, CEUTA, GIBRALTAR, CSTS	36.0N 5.5W	34.4N 3.			z	19910429	145654	141	252	47	20
06	88	SPAIN	AREA JUST N.OF ROTA	37.0N 6.0W	36.5N 5.6W	01 3€	LO 250	z	19910429	145609	141	248	48	20
06	83	SPAIN	SAN FERNANDO, ROTA AREA	36.8N 6.2W	36.2N 5.	3W 20	LO 250	Z	19910429	145615	141	248	48	20
06	90	SPAIN	STRAIT OF GILBRALTAR	36.0N 5.5W	35.7N 4.8W		LO 250	z	19910429	145625	141	249	48	20
06	91	SPAIN	STRAIT OF GILBRALTAR	36.0N 5.5W	35.3N 4.4W		LO 250	_	19910429	145633	141	250	48	20
90	85	SPAIN	STRAIT OF GILBRALTAR	36.0N 5.4W	34.6N 3.8W	W 20	LO 250	z	19910429	145645	141	251	47	20
151	31	SPAIN	G. OF CADIZ, MORENA MTS.	38.0N 7.0W		25	HO 250	Z Z	19910429	145643	141	251	48	20
151	32	SPAIN	P		33.9N	25				145701	141	253	47	20
151	33	SPAIN	OF GIE		33.2N	52				145714	141	254	47	
151	123	SPAIN	LYONS, CAPE		43.4N 4	15				131714	141		54	35
151	124	SPAIN	N i	.0N	43.0N 5	15	LO 250	z		131722	141		54	35
151	193	SPAIN	STRAIT OF GIBRALIAR	36.5N 4.5W	34.0N 11.0W	2	HO 250	z	19910501	144227	139	230	57	52

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

13 13 13 13 13 13 13 13													I	۱	l	
193 SPATH STERNITH OF CELORISATION 3.0 m 3.1 m 10.7 m 10.7 m 10.20 m 10.200	<u>ہ</u>	<u>.</u>	GEOGRAPHIC NAME	FEATURE	CENT	ES LON	NAD	r LON	CC 7L	_		E S			SUN EL	8
25 SARIN ALBORAN SER, BRIEFL MTS, 37.0N 2.0N 3.0F G 0.00 N 19910600 11444 130 2.0F G 130 2.0F G 130 2.0F G 130 2.0F G 130 2.0F G 130 2.0F G 2.0	151	193A	SPAIN	STRAIT OF GIBRALTAR	37.0N	3.0W	33.7N		ı	ı	-	~	1			25
25 SAATH VIEW STORMARS AFRICA. 2 10 SAAN STORMARS SATION FROMS 42.0N 2.0E 44.0N 3.0E 90 U 100 NN 19310400 131700 136 D 22 65 43 AND SAAN E. PYREMES, OUT OF FOCUS 42.0N 3.0E 44.0N 3.0E 40.00 100 NN 19310400 131700 136 D 22 65 43 AND SAAN E. PYREMES, OUT OF FOCUS 42.0N 3.0E 44.0N 3.0E 44.0N 19310400 131700 136 D 22 65 43 AND SAAN E. PYREMES, OUT OF FOCUS 42.0N 3.0E 44.0N 3.0E 44.0N 19310400 131700 136 D 22 65 43 AND SAAN E. PYREMES, OUT OF FOCUS 42.0N 3.0E 44.0N 3.0E 44.0N 19310400 102050 137 D 22 2 2 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	151	194	SPAIN	TIC	37.0N	3	33.1N	10 . 1W			-					
5. SATING E, PYRERES, OUT OF FOLUS 42.0N 2.0E 44.0N 3.0E 65.00 10.0E NN 199104400 1131700 136 222 65 43 871N DIVERSES, OUT OF FOLUS 42.0N 3.0E 63.0N 0.7N 60 10.250 NN 19910420 1131700 136 222 65 119 5871 LAWA AREA SOF COLOMBO, CLD 9.6 SN 0.0F 60 10.250 NN 19910440 113269 137 222 22 12 12 12 12 12 12 12 12 12 12 12	151	225	SPAIN	VIEW S. TOWARDS AFRICA			41.0N	. 4E		_	-					
4 SPATIN 19 SRI LANKA 19 SRI CANA 20 SPATIN 19 SRI LANKA 21 SPATIN 21 SRI LANKA 21 SRI LANKA 21 SRI LANKA 22 SRI LANKA 23 SRI LANKA 24 SPATIN 25 SRI LANKA 26 SRI CANA 27 SRI CANA 28 SRI CANA 28 SRI CANA 28 SRI CANA 29 SRI CANA 29 SRI CANA 20 SRI CANA 21 SRI CANA 22 SRI CANA 23 SRI CANA 24 SRI CANA 25 SRI CANA 26 SRI CANA 27 SRI CANA 28 SRI CANA 28 SRI CANA 29 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 21 SRI CANA 21 SRI CANA 22 SRI CANA 23 SRI CANA 24 SRI CANA 25 SRI CANA 26 SRI CANA 27 SRI CANA 28 SRI CANA 28 SRI CANA 28 SRI CANA 28 SRI CANA 29 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 21 SRI CANA 21 SRI CANA 22 SRI CANA 23 SRI CANA 24 SRI CANA 25 SRI CANA 26 SRI CANA 27 SRI CANA 28 SRI CANA 28 SRI CANA 29 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 21 SRI CANA 22 SRI CANA 23 SRI CANA 24 SRI CANA 25 SRI CANA 26 SRI CANA 27 SRI CANA 28 SRI CANA 28 SRI CANA 29 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 20 SRI CANA 21 SRI CANA 21 SRI CANA 21 SRI CANA 21 SRI CANA 22 SRI CANA 23 SRI CANA 24 SRI	607	53	SPAIN	E. PYRENEES, OUT OF FOCUS	42.0N	.0E	44.0N	3.8E			-					
115 SRT LAWKA AREA COLOMBO, CLDY 6.3N 80.7K 60.10 250 N N 19910420 102855 137 222 32 121 121 SRT LAWKA AREA COLOMBO, CLDY 6.3N 80.7K 60.10 250 N N 19910420 102855 137 222 32 121 121 SRT LAWKA AREA COLOMBO, CLDY 6.3N 80.7K 60.10 250 N N 19910420 103009 137 283 32 121 121 SRT LAWKA AREA AROUND TANGALLA 6.0N 81.0K 6.0L 6.0X 81.1K 60.10 250 N N 19910420 103009 137 283 32 121 121 SRT LAWKA AREA AROUND TANGALLA 6.0N 81.0K 6.0X 6.0L 6.0X 0 N N 19910420 103014 137 283 32 121 121 SRT LAWKA AREA AROUND TANGALLA 6.0N 81.0K 6.0X 6.0X 6.0X 6.0X 6.0X 6.0X 6.0X 6.0X	607	54	SPAIN	P	42.0N	.0E	44.0N	3.8E			-					
119 SRI LANKA AREA AREA ALCOUNT 6.3N 0.05 E 6.3N 6.01 E 6.0 LO 250 N N 19910430 102959 137 222 32 121 SRI LANKA AREA AREA CLOUDY 6.3N 0.05 E 5.4N 81.1E 80 LO 250 N N 19910430 103004 137 283 31 122 32 121 121 SRI LANKA AREA AREA CLOUDY 6.3N 0.05 E 5.4N 81.1E 80 LO 250 N N 19910430 103004 137 283 31 122 32 124 124 124 124 124 124 124 124 124 12	809	43	SPAIN	DUERO RIVER VALLEY			42.0N	W. 0			_					
120 SRI LANKA GALE AREA CLOUDY 6.3N 80.3E 5.7N 81.1E 80 L0 250 N N 19910430 103004 137 283 31 122 SRI LANKA GALE AREA CLOUDY 6.3N 80.3E 5.7N 81.1E 80 L0 250 N N 19910430 103004 137 283 31 132 SRI LANKA SWI CORMATARA 6.0N 81.0E 5.1N 81.2E 60 L0 250 N N 19910430 103004 137 283 31 132 SRI LANKA SWI CORMATARA 6.0N 80.5E 9.0N 79.5E 5.00 SO N N 19910430 103014 137 280 38 13 SRI LANKA SE CONSTAL AREA 6.0N 80.5E 9.0N 79.5E 10.050 N N 19910430 103091 137 281 34 75 SRI LANKA SE CONSTAL AREA 6.0N 81.5E 5.00 SO N N 19910430 103091 137 281 34 75 SRI LANKA SE CONSTAL AREA 6.0N 81.5E 5.00 SO N N 19910430 103091 137 281 34 75 SRI LANKA SE CONSTAL AREA 6.0N 81.5E 5.0N 80.2E 0.00 SO N N 19910430 103091 137 281 34 75 SRI LANKA SE CONSTAL AREA 6.0N 81.5E 6.7N 80.5E 9.0N 79.5E 10.050 N N 19910430 103091 137 282 33 8 1 ANKA SE CONSTAL AREA 6.0N 81.5E 6.7N 80.5E 9.0N 9	68	118		PUTTALAN AREA		79.8E	6.3N	80.7E			_		_			
122 SRI LANKA AREA CLOUDY NO. 86.3N 80.3E 5.7N 81.1E 80 LO 260 N N 19910430 1030004 137 233 31 32 32 31 32 32 31 32 32 31 31 32 31 31 32 31 31 32 31 31 31 31 31 31 31 31 31 31 31 31 31	89	119		AREA S.OF COLOMBO, CLDY	6.3N	80.0E	9.0N	80.9E			-					
12 SRI LANKA AREA R. OF MATARA 6.0N 81.0E 5.4N 81.2E 60 LO 250 N N 19910430 103009 137 283 31 22 SRI LANKA AREA AROUND TANGALLA 6.0N 81.0E 5.1N 81.4E 20 LO 250 N N 19910430 103014 137 280 35 23 SRI LANKA PALK BAY, JAFFAA LAGON 9.0N 80.5E 9.0N 79.1E 15 LO 250 N N 19910430 102910 137 280 34 25 SRI LANKA PALK BAY, JAFFAA LAGON 9.0N 80.5E 9.0N 79.1E 15 LO 250 N N 19910430 102910 137 280 34 25 SRI LANKA PALK BAY, JAFFAA LAGON 9.0N 80.5E 9.0N 79.1E 15 LO 250 N N 19910430 102910 137 280 34 26 SRI LANKA CENTRAL MOUNTAINS 7.0N 80.5E 9.0N 79.1E 15 LO 250 N N 19910430 102910 137 280 34 27 SRI LANKA SE PORTION OF ISLAND 7.0N 80.5E 9.0N 79.1E 10 LO 250 N N 19910430 102929 137 281 34 28 SRI LANKA SE PORTION OF ISLAND 5.0N 80.5E 9.0N 79.1E 10 LO 250 N N 19910430 102929 137 282 33 28 SRI LANKA SE COASTAL AREA 6.5N 80.5E 6.5N 80.5E 10 LO 250 N N 19910430 102929 137 282 33 28 SRI LANKA SE COASTAL AREA 6.5N 80.5E 10 LO 250 N N 19910430 102929 137 282 33 28 SRI LANKA SE COASTAL AREA 6.5N 80.5E 10 LO 250 N N 19910430 102929 137 282 33 29 SRI LANKA SE COASTAL AREA 6.5N 80.5E 10 LO 250 N N 19910439 103500 138 282 28 20 SUDAN WHITE NILE 12.0N 33.0E 56 LO 350 N N 19910439 133233 139 273 37 20 SUDAN WHITE NILE 12.0N 33.6E 56 LO 250 N N 19910439 133233 139 273 37 20 SUDAN WHITE NILE RIVER 12.0N 33.6E 10 LO 250 N N 19910429 133233 139 273 37 20 SUDAN WHITE NILE RIVER 12.0N 33.6E 10 LO 250 N N 19910429 133233 139 273 37 20 SUDAN WHITE NILE RIVER 15.8N 33.6E 10 LO 250 N N 19910429 133233 139 273 37 20 SUDAN WHITE RIVER 15.8N 33.6E 10 LO 250 N N 19910429 133233 139 275 36 20 SUDAN WHITE RIVER 15.8N 33.6E 15.8N 10.5E 10.250 N N 19910429 133326 139 275 36 20 SUDAN	68	120		GALLE AREA, CLOUDY	6.3N	80.3E	5.7N	81.1E			-					
122 SRI LANKA AREA ARQUND TANGALLA 6.0N 81.0E 5.1N 81.4E 20 LO 250 N 19910430 103014 137 283 25 9 ST LANKA SWICKANG BOUTON 9 5.N 08 10.0E 5.7N 78.7E 25 LO 250 N 19910430 102049 1387 280 35 75 ST LANKA NORTHERN THRD OF TSLAND 9 0N 80.5E 9.7N 78.7E 50 LO 250 N 19910430 10204 137 280 34 75 ST LANKA WHATE OF TSLAND 9 0N 80.5E 9.7N 79.3E 30 LO 250 N 19910430 10204 137 281 34 7 5 ST LANKA CENTRAL MOUNTAINS 7.5N 10.0E 5.N 19.3E 50 LO 250 N 19910430 10204 137 281 34 7 5 ST LANKA SE COASTAL AREA 6.5N 81.5E 50 LO 250 N 19910430 102034 137 281 34 7 5 ST LANKA SE COASTAL AREA 6.5N 81.5E 6.5N 80.2E 6.0 LO 250 N 19910430 102034 137 282 33 8 ST LANKA SE COASTAL AREA 6.5N 81.5E 6.5N 80.2E 6.0 LO 250 N 19910430 102034 137 282 33 8 ST LANKA SE COASTAL AREA 6.5N 81.5E 6.5N 80.2E 6.0 LO 250 N 19910430 102034 137 282 33 8 ST LANKA SE COASTAL AREA 6.5N 81.5E 6.5N 80.5E 6.0 LO 250 N 19910430 102034 137 282 33 8 ST LANKA SE COASTAL AREA 6.5N 81.5E 6.5N 80.5E 6.0 LO 250 N 19910430 102034 137 282 33 8 ST LANKA BALK STRAIT 81LE NILE 11.2E N 19.0E 8.7N 83.3E 60 HO 100 N 19910430 102034 137 282 33 8 ST LANKA 6ULF OF MANNAR. CLOUDS 6.5N 81.7E 6.7N 80.5E 10.0 250 N 19910430 102034 137 282 33 8 ST LANKA 6ULF OF MANNAR. CLOUDS 6.5N 81.7E 6.7N 80.5E 6.0 LO 250 N 19910430 102034 137 282 33 8 ST LANKA 6ULF OF MANNAR. CLOUDS 6.5N 81.7E 6.0 LO 250 N 19910429 10300 138 282 28 20.0 N N N N N N N N N N N N N N N N N N		121		ARER E.OF MATARA		80.8E					-					33
9 STI LANKA SWI LONGING OBLIQUE VIEW 7 ON 81 OF 5.48 85.2E 35 HO 9 ON N 19910429 102865 7138 28 2		122		AREA AROUND TANGALLA				81.4E		20				7 28		
12 SRI LANKA PALK BAY. JAFFNA LAGOON 9.5N 80.5E 9.7N 78.7E 25 LO 250 N N 19910430 102852 137 280 34 N N SRI LANKA V. HALF OF ISLAND 9.0N 80.5E 9.7N 78.7E 25 LO 250 N N 19910430 102810 137 280 34 N N SRI LANKA CENTRAL MOUNTAINS 7.5N 81.0E 8.7N 79.3E 80 LO 250 N N 19910430 102910 137 281 34 N N SRI LANKA CENTRAL MOUNTAINS 7.5N 81.0E 8.2N 79.6E 60 LO 250 N N 19910430 102921 137 281 34 N N SRI LANKA S. FORTION OF ISLAND 7.0N 81.0E 7.2N 80.2E 40 LO 250 N N 19910430 102942 137 281 34 N N SRI LANKA S. FORTION OF ISLAND 7.0N 82.0E 6.5N 80.2E 40 LO 250 N N 19910430 102942 137 282 33 N N SRI LANKA S. FORTION OF ISLAND 7.0N 82.0E 6.5N 80.2E 40 LO 250 N N 19910430 102942 137 282 33 N N SRI LANKA S. FORTION OF ISLAND 7.0N 82.0E 6.5N 80.2E 6.5N N 19910430 102949 137 282 33 N N SRI LANKA PALK STRAIT S. N 82.0E 6.5N 80.5E 6.5N N 19910430 102949 137 282 33 N N SRI LANKA PALK STRAIT S. N 82.5E 6.5N N 19910430 102949 137 282 33 N N SRI LANKA PALK STRAIT S. N 82.5E 6.5N N 19910430 102949 137 282 33 N N SRI LANKA PALK STRAIT S. N 82.5E 6.5N N 19910430 102949 137 282 33 N N N N N N N N N N N N N N N N N N	151	σ		WILL OUR THE ORI TOLLE VIEW		81 DF		85 2F		G	_					
SKI LAMKA WORTHERN THIRD OF ISLAND 9.0N 80.5E 9.0N 79.1E 16 0.250 N N 19910430 102940 137 281 34	151	7.5		PALK BAY, JAFFNA LAGOON		80.5E	N. 6	78.7E			-					
5 SHI LANKA CENTRAL MOUNTAINS SE ON 10 55	151	7.4		THIRD OF I		•	NO.6	79.1E			-					
75 SFI LANKA CENTRAL MOUNTAINS 7.5 m 81.0E 8.2 m 7.9 m 81.0E 8.2 m 7.9 m 81.0E 8.2 m 7.0 m 81.0E	151	7.5		0	8.0N	80.5E	8.7N	79.3E			_					
77 SRI LANKA SE PORTION OF ISLAND 7.0N 81.5E 7.8N 79.0E 50.0 N 19910430 102295 137 282 33 79 SRI LANKA SE COASTAL AREA 7.0N 81.0E 7.0N 80.2E 10.0 250 N N 19910430 102294 137 282 33 81 SRI LANKA SE COASTAL AREA 7.0N 82.0E 6.5N 80.2E 10.0 250 N N 19910430 102294 137 282 33 81 SRI LANKA SE COASTAL AREA 6.5N 81.0E 6.7N 80.5E 10.0 250 N N 19910430 102294 137 282 33 81 SRI LANKA SE COASTAL AREA 6.5N 81.0E 6.7N 80.5E 10.0 250 N N 19910430 102294 137 282 33 82 SRI LANKA PALK STRAIT 8.5N 80.5E 6.5N 83.3E 60.100 N N 19910429 103500 138 282 28 83 SRI LANKA PALK STRAIT 8.5N 80.5E 6.5N 83.3E 60.100 N N 19910429 103500 138 282 28 84 SRI LANKA PALK STRAIT 8.5N 80.5E 6.5N 83.3E 60.100 N N 19910429 103500 138 282 28 85 SRI LANKA PALK STRAIT 8.5N 80.5E 6.5N 83.3E 60.100 N N 19910429 103500 138 282 28 85 SUDAN WHITE NILE SUDAN WHITE NILE SUDAN WHO WAD HALKA NILE RIVER 21.6N 33.0E 34.4E 0.0 250 N N 19910429 133219 139 274 36 85 SUDAN NILE RIVER 21.6N 33.0E 10.250 N N 19910429 133225 139 275 36 86 SUDAN NILE RIVER 21.4N 30.8E 18.2N 33.1E 0.250 N N 19910429 133221 139 275 36 80 SUDAN FILED PATITERNS, S. KHARTOM 14.0N 34.0E 0.0 250 N N 19910429 133321 139 275 36 80 SUDAN S	151	9/			7.5N	81.0E	8.2N	6								
SRI LANKA S. PORTION OF, ISLAND 6.56 81.0E 7.2N 80.2E 40.L0 250 N N 19910430 102942 137 282 33 SRI LANKA S. COASTAL AREA 6.5N 81.5E 6.5N 80.6E 10 L0 250 N N 19910430 102942 137 282 33 SRI LANKA SE COASTAL AREA 6.5N 82.5E 6.5N 80.6E 10 L0 250 N N 19910429 102942 137 282 33 SRI LANKA PALK STRAIT 9.0N 80.0E 1.N 81.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 9.0N 80.0E 8.7N 83.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 9.0N 80.0E 8.7N 83.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 9.0N 80.0E 8.7N 83.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 9.0N 80.0E 8.7N 83.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 9.0N 80.0E 8.7N 83.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 9.0N 80.0E 8.7N 83.3E 50 H0 100 N N 19910429 103500 138 282 28 SRI LANKA PALK STRAIT 12.0N 33.0E 3.5D N 19910429 103500 138 282 28 SUDAN WHITE NILE RIVER 21.6N 31.0E 9.3N 19910429 133231 139 274 36 SUDAN NILE RIVER 21.4N 31.6E 13.8N 31.4E 0.10 250 N N 19910429 133231 139 274 36 SUDAN NILE RIVER 21.4N 31.6E 13.N 31.4E 0.10 250 N N 19910429 133231 138 276 36 SUDAN NILE RIVER 16.5N 33.1E 15.8N 33.4E 0.10 250 N N 19910429 133332 138 276 34 SUDAN NILE RIVER 16.5N 33.1E 15.8N 33.4E 0.10 250 N N 19910429 133332 138 276 36 SUDAN NILE RIVER 16.5N 33.1E 15.8N 33.4E 0.10 250 N N 19910429 133332 138 276 36 SUDAN NILE RIVER 16.5N 33.1E 15.8N 33.4E 0.10 250 N N 19910429 133332 138 276 36 SUDAN NILE RIVER 16.5N 33.1E 15.8N 33.4E 0.10 250 N N 19910429 133332 138 276 36 SUDAN NILE RIVER 16.5N 13.4N 16.1E 10.10 N N 19910429 133332 138 276 36 SUDAN	151	11		PORTION	7.0N		7.8N	-			-					
SRI LANKA E. COASTAL AREA 7.0N 82.0E 6.5N 80.4E 15 LO 250 N N 19910430 102942 137 282 33	151	7.8		PORTION		81.0E	7.2N	7.			-		·			
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39 SIL LAMKA 2015 FALLY 31 SRT LAMKA 31 SRT LAMKA 41 SRT LAMKA 42 SRAIT 43 SRT LAMKA 44 SRT LAMKA 44 SRT LAMKA 45 SUDAN 46 SUDAN 46 SUDAN 46 SUDAN 47 STRAIT 48 SAN 80.5E 8.7N 83.3E 60 H0 100 N N 19910429 103600 138 282 28 50 LOA 50 L		0 0		CTDAIT	•		12 1 N	25 1 25			-					16
25 SUDAN WHITE NILE NUMITE NIMITE NILE NUMITE NIMITE NILE NUMITE NIMITE NIMITE NILE NUMITE NIMITE	0 0	000		DALK STRATT	. a	90.00 5.00	N . W	83.3E			٠-					9 9
26 SUDAN WHITE NILE 12.0N 33.0E 50 LO 35 O Y 27 SUDAN WHITE NILE 12.0N 33.0E 36 O Y 36 O Y 28 SUDAN WHITE NILE 12.0N 33.0E 36 O Y 36 O Y 25 SUDAN WHITE NILE LC EZIRA IRR. 14.5N 33.0E 10.0 35 O Y 63 SUDAN WADI HALFA, NILE RIVER 21.6N 31.0E 19.3N 31.0E 10.0 250 O N 19910429 133219 139 274 36 65 SUDAN NILE RIVER 21.4N 30.8E 18.2N 31.9E 0.0 250 N N 19910429 133219 139 274 36 65 SUDAN NILE RIVER 17.4N 32.1E 0.0 250 N N 19910429 133225 139 275 36 65 SUDAN NILE RIVER 16.5N 33.1E 15.N 33.4E 0.0 250 N N 19910429 133225 139	601	. . 4	SRI LANKA	OF MANNAR	•	81.0E		83.3F			-					16
27 SUDAN WHITE NILE 12.0N 32.5E 36.0	24	56	SUDAN	NILE		33.0E	:	,			•					,
28 SUDAN BLUE NILE, VERY DARK 11.0N 33.0E 25 SUDAN BLUE NILE, EL GEZIRA IRR. 14.5N 33.5E 12.6N 34.4E 0 LO 250 N 19910505 112257 141 258 70		2.7	SUDAN	WHITE NILE	12.0N	32.5E					>					
25 SUDAN WADI HALFA,NILE RIVER 21.6N 31.6E 19.3N 31.2E 0 LO 250 N N 19910429 133159 139 273 37 64 SUDAN NILE RIVER,S.WADI HALFA 21.4N 30.8E 18.2N 31.9E 0 LO 250 N N 19910429 133219 139 274 36 65 SUDAN NILE RIVER NIL		28	SUDAN	NILE, VERY	11.0N	33.0E					z					
63 SUDAN NILE RIVER, S.WADI HALFA, NILE RIVER S.UDAN NILE RIVER, S.WADI HALFA, NILE RIVER S.UDAN NILE RIVER, S.WADI HALFA, NILE RIVER S.UDAN NILE RIVER NILE RIVER NILE RIVER NILE RIVER S.UDAN NILE RIVER NI 19910429 133225 138 275 36 34 34 34 34 34 34 34 34 34 34 34 34 34		5.5	SUDAN	Ï	14.5N	S)	•	34.4E					~			_
65 SUDAN NILE RIVER, S.WADI HALFA 21.4N 30.8E 18.2N 31.9E 0 LO 250 N N 19910429 133225 139 274 36 65 SUDAN NILE RIVER NADI AWATIB, NILE RIVER NADI AWATIB, NILE RIV	06	63	SUDAN	HAL	21.6N	31.0E	19.3N	31.2E					_			
65 SUDAN NILE RIVER NILE RIV	06	64	SUDAN			30.8E		31.9E								
56 SUDAN NILE RIVER 17,4N 32.4E 0 LO 250 N N 19910429 133233 139 275 36 67 SUDAN LONGITUDINAL DUNES 16.3N 33.1E 15.8N 33.1E 0 LO 250 N 19910429 133253 138 276 35 68 SUDAN FIELD PATTERNS, S. KHARTOM 14.0N 34.0E 14.5N 34.3E 0 LO 250 N 19910429 13332E 138 277 33 70 SUDAN FIELD PATTERNS, S. KHARTOM 14.0N 34.0E 14.5N 34.5E 0 LO 250 N 19910429 13332E 138 277 33 32 SUDAN DUST, CLOUDS 10.8N 25.1E 30 LO 100 N 19910502 131149 135 265 55 33 SUDAN DUST, CLOUDS 9.9N 25.7E 50 LO 100 N 19910502 131205 135 267 54 34 SUDAN DUST, CLOUDS 9.0N 26.2E 70 LO 100 N 19910502 131201 135 268 54	06	65	SUDAN				17.9N	32.1E		250 N	-					-
67 SUDAN LONGITUDINAL DUNES 68 SUDAN WADI AWATIB, NILE RIVER 16.5N 33.1E 15.8N 33.4E 0 LO 250 N N 19910429 133302 138 276 34 69 SUDAN FIELD PATTERNS, S. KHARTOM 14.0N 34.0E 14.5N 34.3E 0 LO 250 N N 19910429 133326 138 277 33 70 SUDAN FIELD PATTERNS, S. KHARTOM 14.0N 34.0E 14.1N 34.5E 0 LO 250 N N 19910429 133326 138 277 33 82 SUDAN DUST, CLOUDS 83 SUDAN 25.1E 30 LO 100 N N 19910502 131149 135 266 55 83 SUDAN DUST, CLOUDS 83 SUDAN 25.4E 50 LO 100 N N 19910502 131157 135 266 55 83 SUDAN DUST, CLOUDS 83 SUDAN 19910502 131205 135 267 54 83 SUDAN DUST, CLOUDS 84 SUDAN DUST, CLOUDS 85 SUDAN 19910502 131201 135 268 54	90	99	SUDAN	NILE RIVER			17.4N	32.4E			-					-
68 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.5N 33.4E 0 LO 250 N N 19910429 13332E 138 277 33 70 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.1N 34.5E 0 LO 250 N N 19910429 13332E 138 277 33 32 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.1N 34.5E 0 LO 250 N N 19910429 13332E 138 278 33 32 SUDAN DUST, CLOUDS 33 SUDAN DUST, CLOUDS 34 SUDAN DUST, CLOUDS BY SUDAN DUST, CLOUDS BY SUDAN DUST, CLOUDS BY SUDAN DUST, CLOUDS BY SUDAN BY SUD	06	67	SUDAN	LONGITUDINAL DUNES			16.3N	33.1E			-					19
69 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.5N 34.3E 0 LO 250 N 19910429 133326 138 277 33 70 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.1N 34.5E 0 LO 250 N N 19910429 13332 138 278 33 32 SUDAN DUST, CLOUDS DUST, CLOUDS 33 SUDAN DUST, CLOUDS DUST, CLOUDS 34 SUDAN DUST, CLOUDS DUST, CLOUDS DUST, CLOUDS B. 9. ON 26.2E 70 LO 100 N 19910502 131221 135 268 54 DUST, CLOUDS, HAZE B. 9. ON 26.2E 70 LO 100 N 19910502 131221 135 268 54	06	68	SUDAN		•	. 1E	15.8N				-					19
0 70 SUDAN FIELD PATTERNS, S.KHARTOM 14.0N 34.0E 14.1N 34.5E 0 LO 250 N N 19910429 133332 138 278 33 6 32 SUDAN DUST, CLOUDS 10.8N 25.1E 30 LO 100 N N 19910502 131149 135 266 55 6 34 SUDAN DUST, CLOUDS 9.9N 25.7E 50 LO 100 N N 19910502 131205 135 267 54 6 35 SUDAN DUST, CLOUDS, HAZE 9.0N 26.2E 70 LO 100 N N 19910502 131221 135 268 54	90	69	SUDAN	FIELD PATTERNS, S.KHARTOM	14.0N	.0E	14.5N	•			_					
6 32 SUDAN DUST,CLOUDS 10.8N 25.1E 30 LO 100 N 19910502 131149 135 265 55 6 33 SUDAN DUST,CLOUDS 9.9N 25.7E 50 LO 100 N 19910502 131205 135 267 54 6 34 SUDAN DUST,CLOUDS 9.9N 25.7E 50 LO 100 N 19910502 131221 135 267 54 6 35 SUDAN DUST,CLOUDS,HAZE 9.0N 26.2E 70 LO 100 N 19910502 131221 135 268 54	90	70	SUDAN	FIELD PATTERNS, S.KHARTOM	14.0N	4.0E	14.1N				-					
6 33 SUDAN DUST,CLOUDS 10.4N 25.4E 50 LO 100 N N 19910502 131157 135 266 55 6 34 SUDAN DUST,CLOUDS 9.9N 25.7E 50 LO 100 N N 19910502 131205 135 267 54 6 35 SUDAN DUST,CLOUDS,HAZE 9.0N 26.2E 70 LO 100 N 19910502 131221 135 268 54	96	32	SUDAN	DUST, CLOUDS			10.8N	25.1E			_					
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6 35 SUDAN DUST, CLOUDS, HAZE 9.0N 26.2E 70 LO 100 N N 19910502 131221 135 268 54	96	34	SUDAN	DUST, CLOUDS			-	Š.			_				Ġ	67
	96	35	SUDAN	DUST, CLOUDS, HAZE			- 1	ا ن	1		-		_ I	56	2	6

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

à	1	20000		CENTER	NADIR	JIR Su	F		200	1	2	SUN 2.	2	9
4	¥	GEOGRAPHIC NAME	FEATURE	LAILON	LAI	5 !	- 1	ء ا		ľ	- 1	7 200		5 5
96	36	SUDAN	7F		•	26.3E		2	_			607	20	2 5
96	37	SUDAN	CLOUDS, HAZE, DARK FRAME		8 . 4N	ė.		z	_	_		569	53	29
96	38	SUDAN	Cronps		8.0N	26.8E		z	W 19910502			270	53	67
96	39	SUDAN	CLOUDS		7.6N	27.0E	100 LO	z	-	13124	·~	271	53	67
96	40	SUDAN	CLOUDS		7.3N	27.2E	95 LO		-	13125	٠.	271	25	67
151	23	SUDAN	NILE RIVER, L. NASSER	30.0	_	30.9E		z	-	13315	_	273	37	19
151	23A	SUDAN	R. NUB	31.5	18.		5 LO	z	N 19910429	13321	_	274	37	19
15:	238	SUDAN	R. BA	.0N 32.0	16.	ω.		z	1991	3 133251	-	276	35	19
15	24	SUDAN	OUM, NILE RIVER	.5N 32.	15.	4		z	N 19910429	13331	മ	277	34	19
151	52	SUDAN	\vdash	.0N 33.0	13.	4.		z	N 19910429	9 133338	œ	278	33	19
151	134	SUDAN	DUST STORM, UWAYNAT MIN.	25	E 22.0N	25.35	0 0	250 N P	N 19910430	13241	5 138	267	45	35
151	1344	N D D D	STORM	25	1	;		. V	2					
151	135	SUDAN	STORM, KISSU MI	.5N 25	E 20.8N	26.2E		: z	N 19910430	0 132437	7 138	268	45	35
151	136	SUDAN	ABYAD PLATEAU	26	18.	_		z	N 19910430	0 132512	2 138	271	43	35
602	20	SUDAN	3		26.0N	26.5E	40 LO	100 N	N 19910429	3 133000	0 138	266	42	18
602	2.1	SUDAN	:	21.0N 30.0E	E 22	28.9E	15 HO		-	_		270	40	18
604	27	SUDAN	THUNDERSTORMS		7.9N	30.5E	100 NV		N 19910501	1 132100	-	283	39	20
607	7.1	SUDAN	NILE RIVER, OUT OF FOCUS	20.0N 30.0E	ш	27.0E	5 HO		N 19910430	_		272	43	34
607	75	SUDAN	R, 0U	19.	16.	29.2E		z	N 19910430	_	-	276	4.1	34
81	94	SWEDEN	GOTEBORG, COAST, KATTEGAT	57.5N 12.0E	E 57.2N	7.9E	2 6 L0	_	N 19910429	9 101648	8 145	155	4.5	17
87	95	SWEDEN	COAST.KATTEGAT	8.1N 11.8	E 57.2N	8.5E	20 LO	250 N	N 19910429	9 101653	3 145	156	45	17
87	95	SWEDEN	DALBO LAKE-KINNE BAY	.5N 13.5	57.	9.7E		50 N	N 19910429	3 101703	-	158	45	17
87	9.7	SWEDEN	-SOUTH	7N 14.	57	10.4E		z	++			159	46	17
8.7	98	SWEDEN		.1N 14.	57.		30 LO	Z	-		14	160	46	17
8.7	66	SWEDEN	80.	57.3N 18.5E	E 57.0N	12.1E	30 LO	250 N N	N 19910429	10172	4 145	161	46	17
8.7	100	SWEDEN	OLAND I, KALMAR & STRAIT	.7N 16.	57.	13.1E	30 LO	z	1991			162	46	17
87	101	SWEDEN	GOTLAND I-SO. END.	57.0N 18.3E	E 56.7N	15.5E	5 LO	>	1991		3 145	166	41	17
87	102	SWEDEN	GOTLAND I-MID SECT.	.3N 18.	56.	15.9E			1991		14	167	47	17
151	2	SWEDEN	SKAGERRAK, L. DALBOSJON	58.0N 11.0E	E 57.2N	9.7E	55 LO	N 06	1042	10165	3 14	158	45	17
151	2A	SWEDEN	SKAGERRAK/KATTEGAT	. SN		11.2E	35 LO	N 06	N 19910428	9 101712	2 145	161	46	17
.51	ო	SWEDEN	BALTIC SEA, OLAND ISLAND	57.0N 18.0E	E 56.9N	13.4E	30 HO	N 06	N 19910429	9 101730	0 145	163	46	17
151	4	SWEDEN	BALTIC SEA, OLAND ISLAND		E 56.8N	15.1E	25 LO	N 06	V 19910429	3 101745	5 145	165	47	17
.51	2	SWEDEN	GOTLAND IS	.5N 19.		15.9E		Z	Y 19910429	3 101752		167		17
603	4 0	SWEDEN		18.	56.	11.4E		z	-			158		32
81	-	SYRIA		.5N 41.	35.	40.0E	20 0	z	~	_		174		113
	105	SYRIA	RIVER	.ON 38.	34.	38.0E		z	-	11504	_	245	~	34
	106	SYRIA		38.	34.			2	Y 19910430	11505	·n	246		34
609	47	SYRIA	RIVER	.5N 38.	39.	35.8E		250 N N	13	09450	_	187	~	112
609			RIVER	.5N 38.	E 36.3N	39.0E	0	Z	Y 19910505	09460	0 141	197	69	112
84	29 N	TANZANIA	LAKE VICTORIA-SW COAST	1.7S 31.9E			85 LO	250 N N						

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

1					33333	۱									
29 P TANZANIA L.VICTORIA-KAWE I.S.CSI Z. 45 32.46 80 LO 220 N N A AGRICULIDE. CLOUDS 2.75 32.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 32.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 32.56 70 LO 220 N N A AGRICULIDE. CLOUDY 2.75 32.56 70 LO 220 N N A AGRICULIDE. CLOUDY 2.75 32.56 70 LO 220 N N A AGRICULIDE. CLOUDY 2.75 32.56 70 LO 220 N N A AGRICULIDE. CLOUDY 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AGRICULIDE. CLOUDS 2.75 37.56 70 LO 220 N N A AG	75	æ		FEATURE	LATER LO		LON LON	ככ זר	u u		GMT	Ą	AZ SU	SUN EL	OR
29 0 TAZZANIA AGRICULTURE, CCUUDOS 2.75 32.5E 80 10 250 N N AGRICULTURE, CCUUDOS 2.75 32.5E 80 10 250 N N AGRICULTURE, CCUUDOS 2.75 32.5E 80 10 250 N N AGRICULTURE, CCUUDOS 2.75 1 TAZZANIA AGRICULTURE, CCUUDOS 2.75 1 TAZZANIA AGRICULTURE, CCUUDOS 2.75 1 TAZZANIA HUMENIA LUMEGO R. MBARIKA MTNS. 9.5S 36.7E 9.10 250 N Y AGRICULTURE, CLOUDY 2.75 1 TAZZANIA LUMEGO R. MBARIKA MTNS. 9.5S 30.7E 9.10 250 N Y AGRICULTURE, CLOUDY 2.75 1 TAZZANIA NUHUWESI R. MBEN MARANIA NUHUWESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUWESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUMESI DATAZANIA NUHUME	84			L.VICTORIA-KOME I,S.CST	32	.46		2	z						
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46 IANZANIA CLOUDY, SHADOWS, HAZY 3.0 8.5 LOO ION N N 19910502 1315.68 48 IANZANIA CLOUDY, SHADOWS, HAZY 3.6 3.6 8.0 10.0 N N 19910502 1316.65 49 IANZANIA CLOUDY, SHADOWS, HAZY 3.6 3.3 7.6 0.100 N N 19910502 1316.11 50 TANZANIA CLOUDY, SHADOWS, HAZY 4.3 3.3 7.6 0.100 N N 19910502 1316.11 51 TANZANIA MINS, TERRAIN 10.0S 37.0E 9.2 3.6 6.0 10.0 N 19910502 1317.6 54 TANZANIA MINS, TERRAIN 10.0S 37.0E 9.2 3.6 6.0 10.0 N 19910502 1317.6 54 TANZANIA MINHUMESI DRAINAGE BASIN 11.0S 37.0E 9.2 3.6 6.0 10.0 N 19910502 1317.6 56 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.0E 9.2 3.0 10.00 N 19910502		45	TANZANIA		32	7	32.7E	2	z				283	45 (67
47 TANZANIA CLOUDY, SHADOWS, HAZY 3.25 33.3E 80 LO 100 N 19910502 13165 48 TANZANIA CLOUDY, SHADOWS, HAZY 3.65 33.5E 85 LO 100 N 19910502 131617 50 TANZANIA CLOUDY, SHADOWS, HAZY 4.35 33.9E 8 LO 100 N 19910502 131617 50 TANZANIA MTNS, TERRAIN 10.0S 37.0E 9.5S 36.E 6 LO 100 N 19910502 131745 54 TANZANIA MTNS, TERRAIN 10.0S 37.0E 9.5S 36.E 6 LO 100 N 19910502 131746 55 TANZANIA MUSUNE RIVER AREA 10.0S 37.0E 9.5S 36.E 6 LO 100 N 19910502 131746 56 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.0E 10.SS 37.E 10.0D N 19910502		46	TANZANIA			2.75	33.0E	2	z				283	44	67
48 TANZANIA CLOUDUY SHADOWS, HAZY 3.65 33.5 E 86 L0 100 N N 199116502 131611 49 TANZANIA CLOUDUY SHADOWS, HAZY 3.95 8.0 L0 100 N N 199116502 131611 50 TANZANIA CLOUDUY, SHADOWS, HAZY 8.95 33.7E 90 L0 100 N N 199116502 131610 52 TANZANIA MTNS, TERRAIN 10.05 37.0E 9.55 36.6E 60 L0 100 N N 199116502 131740 54 TANZANIA MBARANGANDU RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 L0 100 N N 199116502 131750 54 TANZANIA MBARANGANDU RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 L0 100 N N 199116502 131750 59 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 9.5S 36.9E 10.100 N N 199116502 131750 59 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.5E 10.0S 37.0E 10.0D N N 199116502 131826 59 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.6E 10.0D N N 199116502 131826 50 TANZANIA DARARY PENTINSULA 11.0S <th></th> <th>47</th> <th>TANZANIA</th> <th>CLOUDY, SHADOWS, HAZY</th> <th></th> <th>3.28</th> <th>33.3E</th> <th>2</th> <th>z</th> <th></th> <th>• •</th> <th></th> <th>283</th> <th></th> <th>67</th>		47	TANZANIA	CLOUDY, SHADOWS, HAZY		3.28	33.3E	2	z		• •		283		67
10 10 10 10 10 10 10 10		48	TANZANIA	CLOUDY, SHADOWS, HAZY		3.65	33.5E	2	z		• •		284	44	67
5.0 TANZANIA CLOUDY, SHADOWĠ, HAZY 5.1 TANZANIA MTNS. TERRAIN 5.2 TANZANIA MTNS. TERRAIN 5.3 TANZANIA MTNS. TERRAIN 5.4 TANZANIA MARANGANDU RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 L0 100 N N 19910502 131750 5.4 TANZANIA NAENJE RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 L0 100 N N 19910502 131750 5.5 TANZANIA NAENJE RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 L0 100 N N 19910502 131750 5.6 TANZANIA NAENJE RIVER AREA 10.0S 37.0E 10.5S 37.2E 10.10 N N 19910502 131809 5.8 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.0E 10.5S 37.8E 15 L0 100 N N 19910502 131805 5.9 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.9S 37.8E 15 L0 100 N N 19910502 131816 5.9 TANZANIA DARK FRAME 11.0S 38.0E 10.5S 37.8E 15 L0 100 N N 19910502 131816 5.0 TANZANIA DARK FRAME 11.0S 38.0E 11.0S 38.0E 10.0S 37.0E 10.10 N N 19910502 131822 5.1 TANZANIA SEA CLOUDS, VERY DARK 11.0S 38.0E 11.0S 38.0E 10.0S 37.0E 10.0D N N 19910505 131822 5.2 TASMAN SEA CLOUDS, VERY DARK 13.0N 100.0E 13.N 103.0E 60 H0 250 U N 19910505 054000 5.2 TANZANIA MALAY PENINSULA-SUNGLINI 9.5N 100.0E 13.N 103.0E 60 H0 50 N Y 19910429 0906458 5.1 TANILAND MALAY PENINSULA-SUNGLINI 9.5N 100.0E 6.0H0 50 D Y 19910429 0906458 5.2 TANILAND KAN NIM RESERVOIR 17.0N 99.0E 35 NV 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 U N 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 U N 200 U		49	TANZANIA	CLOUDY, SHADOWS, HAZY		. 9S	33.7E	2	z		•		284		67
52 TANZANIA MINS.TERRAIN 8.95 36.6E 50 LO 100 N N 19910502 131740 53 TANZANIA MERARAGANDU RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 LO 100 N N 19910502 131750 54 TANZANIA NUSINJE RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 LO 100 N N 19910502 131750 55 TANZANIA NUHUWESI DRAINAGE BASIN 11.0S 37.0E 9.5S 37.2E 60 LO 100 N N 19910502 131750 56 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.6E 10.9S 37.8E 15 LO 100 N N 19910502 131820 57 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.9S 37.8E 16 LO 100 N N 19910502 131820 59 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.0S 37.8E 16 LO 100 N N 19910502 131820 59 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.0S 37.8E 16 LO 100 N N 19910502 131828 24 TASMAN SEA CLOUDS, VERY DARK 11.0S 38.0E 1		90	TANZANIA	CLOUDY, SHADOWS, HAZY		4.35	33.9E	2	z				284		67
53 TANZANIA MTNS.TERRAIN 10.0S 37.0E 9.2S 36.8E 40 LO 100 N 19910562 131746 54 TANZANIA MBARARANADUD RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 LO 100 N 19910562 131757 55 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 9.5S 36.9E 60 LO 100 N 19910562 131757 56 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 10.1S 37.3E 60 LO 100 N 19910562 131808 59 TANZANIA MUHUWESI DRAINGE BASIA 11.0S 38.0E 11.5S 38.0E 10.0D N 19910562 131808 59 TANZANIA DARK FRAME LO 10.0S 37.0E 10.5S 38.0E 11.0S 38.0E 10.0S 37.0E 0.0D 10.0D N 19910562 131809 50		25	TANZANIA	MTNS.TERRAIN		•	36.6E	20		19910502			288	33	67
54 TANZANIA MBARANGANDU RIVER AREA 10.0S 37.0E 9.5S 36.0E 10.100 N 19910502 131750 55 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 9.5S 36.0E 10.100 N 19910502 131750 56 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 10.1S 37.2E 60 10.100 N 19910502 131750 58 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.5E 15 10.100 N 19910502 131809 59 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.9S 37.8E 15 10.100 N 19910502 131809 59 TANZANIA RUVUMA R. AND URAINAGE BASIN 11.0S 38.0E 10.9S 37.8E 15 10.100 N 19910502 131809 23 TANZANIA RUVUMA R. AND URAINAGE BASIN 11.0S 38.0E 10.0S 10.00 N 19910502 131809		53	TANZANIA	MINSTERBAIN	05 37	ď	36.85	0	z				288	39	67
55 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 9.9S 37.2E 60 LO 100 N N 19910502 131757 56 TANZANIA NJENJE RIVER AREA 10.0S 37.0E 10.1S 37.2E 60 LO 100 N N 19910502 131802 57 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.5S 37.8E 15 LO 100 N N 19910502 131809 58 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.5S 37.8E 15 LO 100 N N 19910502 131809 59 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 11.6S 37.8E 15 LO 100 N N 19910502 131828 50 TASMAN SEA CLOUDS/THUNDERSTORMS 11.0S 38.0E 11.6S 38.2E 30 LO 100 N N 19910502 131828 24 TASMAN SEA CLOUDS, VERY DARK 38.7S 161.0E 60 LO 250 U N 19910505 054000 25 TASMAN SEA CLOUDS, VERY DARK 13.0N 100.0E 9.4N 105.0E 60 HO 50 U N 19910429 090645 27 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 106.2E 50 HO 50 U N 19910429 090645 28 THAILAND MARAY PENINSULA-SUNGLINT 9.5N 100.5E 8.4N 106.2E 50 HO 50 U N 19910429 090643 8 THAILAND NAM PING RIVER, TAK<		54	TANZANIA			6	36.9E	07	z				288		67
56 TANZANIA NJENJE RIVER 10.05 37.0E 10.15 37.3E 20 10 <t< th=""><th></th><th>55</th><th>TANZANIA</th><th></th><th></th><th>0</th><th>37.2E</th><th>9</th><th>z</th><th></th><th></th><th></th><th>288</th><th></th><th>67</th></t<>		55	TANZANIA			0	37.2E	9	z				288		67
57 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 37.5E 16.5S 37.6E 15 10.100 N 19910502 131809 58 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.5S 37.8E 15 10 10 N 19910502 131816 59 TANZANIA BORK FRAME 11.0S 38.0E 11.2S 38.0E 10 0 N 19910502 131812 60 TANAANIA DARK FRAME 11.0S 38.0E 11.6S 38.2E 30 10 10 N 19910502 13182 23 TASMAN SEA CLOUDS, VERY DARK 32.7S 161.0E 60 LO 250 N 19910505 054000 24 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 N 7 19910429 090613 25 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 106.2E 50		26	IANZANIA	NJENJE RIVER AREA			37.3E	2	2				288		67
58 TANZANIA MUHUWESI DRAINAGE BASIN 11.0S 38.0E 10.9S 37.8E 15 L0 100 N N 19910502 131818 59 TANZANIA RUVUMA R. AND DRAINAGE 11.0S 38.0E 10.0S 100 N N 19910502 13182 60 TANZANIA DARK FRAME 11.0S 38.0E 10.0 N N 19910502 13182 23 TASMAN SEA CLOUDS, VERY DARK 32.7S 154.9E 90 H0 250 N N 19910505 054000 24 TASMAN SEA CLOUDS, VERY DARK 38.7S 161.0E 60 L0 250 U N 19910505 054000 25 TASMAN SEA CLOUDS, VERY DARK 13.0N 100.0E 13.7N 103.0E 60 L0 250 U N 19910429 090643 27 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 106.2E 50 U N 19910429 090643 29 THAILAND NAM NAM <		57	TANZANIA	SI DRAINAGE		10.58	37.6E	2	z				289		67
59 TANZANIA RUVUMA R. AND URAINAGE 11.0S 38.0E 11.2S 38.0E 10.00 N N 19910502 131828 60 TANZANIA DARK FRAME 11.0S 38.0E 11.6S 38.2E 30 LO 100 N N 19910502 131828 23 TASMAN SEA CLOUDS/THUNDERSTORMS 32.7S 154.9E 90 HO 250 N N 19910505 053800 24 TASMAN SEA CLOUDS, VERY DARK 38.7S 161.0E 60 LO 250 U N 19910505 054000 25 TASMAN SEA CLOUDS, VERY DARK 13.0N 100.0E 13.7N 103.0E 60 HO 250 U N 19910429 090456 27 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 106.2E 50 HO 50 U Y 19910429 090631 29 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5E 8.4N 106.2E 50 HO 50 U Y 19910429 090643<		58	TANZANIA	DRAINAGE		10.95	37.8E	9	z				289	37 (29
60 TANZANIA DARK FRAME 23 TASMAN SEA CLOUDS/THUNDERSTORMS 24 TASMAN SEA CLOUDS, VERY DARK 25 TASMAN SEA CLOUDS, VERY DARK 26 TASMAN SEA CLOUDS, VERY DARK 27 THAILAND 28 THAILAND CLOUDS, VERY DARK 28 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 29 THAILAND CLOUDS, VERY DARK 20 N Y 19910429 090613 29 THAILAND CLOUDS, VERY DARK 20 N Y 19910429 090631 25 N Z50 U N AMALAY PENINSULA-SUNGLINT CLOUDS, VERY DARK 20 N Y 19910429 090648 35 N Z50 U N AREA NORTH OF BANGKOK 21 THAILAND 22 THAILAND AREA NORTH OF BANGKOK 24 THAILAND AREA NORTH OF BANGKOK 27 THAILAND 28 THAILAND AREA NORTH OF BANGKOK 27 THAILAND 28 THAILAND AREA NORTH OF BANGKOK 28 THAILAND 39 CCCOUDS, VERY DARK 30 CCCCOUDS, VERY DARK 30 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC		59	TANZANIA	. AND URAI		11.25	38.0E	2	z		•		289	37 (29
23 TASMAN SEA CLOUDS/THUNDERSTORMS 24 TASMAN SEA CLOUDS, VERY DARK 25 TASMAN SEA CLOUDS, VERY DARK 26 TASMAN SEA CLOUDS, VERY DARK 27 THAILAND BIGHT OF BANGKOK 13.0N 100.0E 13.7N 103.0E 60 H0 50 N Y 19910429 090456 28 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 H0 50 N Y 19910429 090613 29 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5E 8.4N 106.2E 50 H0 50 N Y 19910429 090613 29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 H0 50 U Y 19910429 090648 86 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N		09	TANZANIA	_	. 0S	11.65	38.2E	2	z				289		67
24 TASMAN SEA CLOUDS, VERY DARK 25 TASMAN SEA CLOUDS, VERY DARK 26 TASMAN SEA CLOUDS, VERY DARK 27 THAILAND BIGHT OF BANGKOK 13.0N 100.0E 13.7N 103.0E 60 H0 50 N Y 19910429 090456 28 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 H0 50 N Y 19910429 090613 29 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5E 8.4N 106.2E 50 H0 50 N Y 19910429 090631 29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 H0 50 U Y 19910429 090648 86 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U N 87 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U N 99 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 U V 250 U N 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 NV 250 U N 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 NV 250 U N		23		CLOUDS/THUNDERSTORMS		.75	154.9E	오	z				300	15 10	109
25 TASMAN SEA CLOUDS, VERY DARK 24 THAILAND BIGHT OF BANGKOK 27 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 H0 50 N Y 19910429 090456 28 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 H0 50 N Y 19910429 090613 29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 H0 50 N Y 19910429 090631 86 THAILAND NEAR CHIANG MAI 18.5N 99.0E 35 NV 250 U N 87 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U N 88 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 NV 250 U N 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 NV 250 U N				CLOUDS, VERY DARK		8.75	161.0E	2		1991050			297	7 1	109
24 THAILAND BIGHT OF BANGKOK 13.0N 100.0E 13.7N 103.0E 50 HO 50 N 19910429 090456 27 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 HO 50 N 19910429 090613 29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 HO 50 V 19910429 090648 86 THAILAND NEAR CHIANG MAI 18.5N 99.0E 35 NV 250 U N 19910429 090648 87 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 25 NV 250 U N 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 N		25	TASMAN SEA	VERY			61.0E	2	_				297	7 10	109
27 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.0E 9.4N 105.6E 50 HO 50 N Y 19910429 090613 28 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5E 8.4N 106.2E 50 HO 50 N Y 19910429 090631 29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 HO 50 U Y 19910429 090648 86 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U N 88 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U N 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 NV 250 U N		24	THAILAND		100	.0E 13.7N	103.0E	오	z		_		278		16
28 THAILAND MALAY PENINSULA-SUNGLINT 9.5N 100.5E 8.4N 106.2E 50 HO 50 N Y 19910429 090631 29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 HO 50 U Y 19910429 090648 86 THAILAND NEAR CHIANG MAI 18.5N 99.0E 25 NV 250 U N 87 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U N 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N		27	THAILAND	PEN		9.4N	105.6E	오	z				281		16
29 THAILAND MALAY PENINSULA-SUNGLINT 8.0N 101.5E 7.5N 106.8E 50 HO 50 U Y 19910429 090648 86 THAILAND NEAR CHIANG MAI 18.5N 99.0E 25 NV 250 U N 87 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U N 88 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U N 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U N 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 40 NV 250 U N		82	THAILAND	PEN		8 . 4N	106.2E	오	Z		-		281	27	16
86 THAILAND NEAR CHIANG MAI 18.5N 99.0E 35 NV 250 U 87 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U 88 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 40 NV 250 U		58	THAILAND	MALAY PENINSULA-SUNGLINT		7.5N	106.8E	오	-	7	_		282	56	16
87 THAILAND KAN NIM RESERVOIR 17.0N 99.0E 25 NV 250 U 88 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 40 NV 250 U		98	THAILAND	NEAR CHIANG MAI		.06		⋛	>	_					
88 THAILAND NAM PING RIVER, TAK 17.0N 99.0E 35 NV 250 U 91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 40 NV 250 U		87	THAILAND	KAN NIM RESERVOIR		.06		≩	>	_					
91 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 30 LO 250 U AREA NORTH OF BANGKOK 14.5N 100.5E 40 NV 250 U		88	THAILAND	ING RIVER		.0E		≩	-	_					
8 92 THAILAND AREA NORTH OF BANGKOK 14.5N 100.5E 40 NV 2		16	THAILAND	NORTH OF	100	. 5E		2	-	_					
	80	95	THAILAND	NORTH OF	.5N 100	. 5E		N 2	90 U N	_					

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

THAILAND				CENTER	NADIR	 		l	NOS		
93 THALLAND BANKKOK 14.0N 100.5E 94 THALLAND BANKKOK 14.0N 100.5E 95 THALLAND BANKKOK 14.0N 99.5E 96 THALLAND BIGTA OF BANGKOK 13.5N 99.5E 100 THALLAND BIGTA OF BANGKOK 13.0N 100.0E 101 THALLAND BIGTA OF BANGKOK 13.0N 100.0E 102 THALLAND BIGTA OF BANGKOK 13.3N 100.0E 103 THALLAND BIGTA OF BANGKOK 13.3N 100.0E 104 THALLAND BIGTA OF BANKOK 13.5N 100.0E 105 THALLAND BIGTA OF BANGKOK 13.5N 100.0E 106 THALLAND BIGTA OF BANGKOK 13.5N 101.0E 13.0N 100.0E 13.0N 101.0E 13.0N 10	١	GEOGRAPHIC NAME	FEATURE	- 1	LAT LON	TL FL	S DATE	GMT AL	AZ		š
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49 THAILAND BIGHT OF BANGKOK 12.5N 101.0E 12.3N 99 30 THAILAND BIGHT OF BANGKOK 13.0N 101.0E 12.N 98 31 THAILAND BIGHT OF BANGKOK 13.0N 101.0E 12.N 98 32 THAILAND MALAY PEN. THAILAND 15.0S 14.0S 149 98 70 TUAMOTU ARCHIPELAGO RANGIROA ATOLL 15.0S 147.5W 140.0S 149 99 71 TUAMOTU ARCHIPELAGO RANGIROA ATOLL 15.0S 147.5W 140.0S ></td> <td>THAILAND</td> <td>BANGKOK</td> <td>.5N 100</td> <td></td> <td>2</td> <td>></td> <td></td> <td></td> <td></td> <td></td>		THAILAND	BANGKOK	.5N 100		2	>				
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THAILAND		THAILAND		80.	98	55 HO 100 N		085800 137	278	38	31
32 THAILAND MALAY PEN., THAILAND G. 7.0N 103.0E 7.5N 1 70 TUAMOTU ARCHIPELAGO RANGIROA ATOLL 15.0S 147.5W 14.0S 14.0S 14.0S 14.0S 14.0S 14.0S 14.0S 14.0S 14.0S 14.0S 14.0S 13.5N 11.0E 34.1N 126 TUNISTA G. OF TUNIS, CAPE BON 37.0N 10.5E 37.6N 12.8S TUNISTA G. OF TUNIS, CAPE BON 36.5N 11.0E 37.3N 12.8S TUNISTA 225B TUNISTA QARQANNAH IS., GABES G. 35.0N 11.5E 35.5N 11.0E 37.3N 11.6E 35.5N 11.0E 37.3N 11.6E 35.5N 11.0E 37.3N 11.6E 35.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 36.5N 11.0E 38.5N 11.0E 38.5N 11.0E 37.0N 11.0E 38.5N 11.0E 37.0N 11.0E 38.5N 11.0E 38.3N		THAILAND		.0N 102	14.2N 98		N 19910430	085800 137			31
70 TUAMOTU ARCHIPELAGO MATAIVA 71 TUAMOTU ARCHIPELAGO MATAIVA 72 TUNISTA 52 SABKHA MELAH 52 TUNISTA 53 SAKHA MELAH 56 OF TUNIS, CAPE BON 57 ON 10.5E 37.6N 52 TUNISIA 56 OF TUNIS, CAPE BON 57 ON 10.5E 37.6N 58 TUNISIA 59 TUNISIA 50 OF TUNIS, CABES G. 50 OF TUNIS, CABES G. 50 OF TUNIS, CABES G. 50 OF TUNIS, CABES G. 50 OF TUNIS, CABES G. 50 OF TUNIS, CABES G. 50 OF TUNIS, CABES G. 50 OF GABON GRAND 59 TUNISIA 60 TUNISIA 60 TUNISIA 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TON II.0E 38.5N 61 TUNISIA 63 OF GABES, OUT OF FOCUS 64 TUNISIA 65 OF GABES, OUT OF FOCUS 65 TUNISIA 66 TUNISIA 67 OF GABES, OUT OF FOCUS 68 TUNIKEY 68 TUNIKEY 69 TUNIKEY 60 OF GABES, OUT OF FOCUS 61 TUNISIA 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TUNIKEY 64 TUNIKEY 65 OF GABES, OUT OF FOCUS 65 TUNIKEY 66 OF GABES, OUT OF FOCUS 67 ON 38.5E 68 TUNIKEY 68 TUNIKEY 69 TUNIKEY 60 OF GABES, OUT OF FOCUS 68 TUNIKEY 69 TUNIKEY 60 OF GABES, OUT OF FOCUS 69 TUNIKEY 60 OF GABES, OUT OF FOCUS 60 ON GABONITAIN 60 ON 39.5E 40.0N 61 TUNIKEY 61 TUNIKEY 62 OF GABES, OUT OF FOCUS 63 TUNIKEY 64 ON 39.5E 39.7N 65 ON GATONITAIN 65 ON GABONITAIN 66 ON GARADENIZ MITS. CST 41.0N 67 ON 39.5E 39.7N 68 TUNIKEY 69 TUNIKEY 60 ON GARADENIZ MITS. CST 41.0N 69 ON 69 ON 68		THAILAND	., THAILAND	103	7.5N 102	30 HO 100 N		090000 137		32	31
71 TUAMOTU ARCHIPELAGO MATAIVA 22 TUNISTA 25 TUNISTA 50 OF TUNIS, CAPE BON 127 TUNISIA 60 OF TUNIS, CAPE BON 128 TUNISIA 228 TUNISIA 228 TUNISIA 229 TUNISIA 229 TUNISIA 24 TUNISIA 60 OF TUNIS, CAPE BON 229 TUNISIA 24 TUNISIA 60 TAND ERG EASTERN 61 TUNISIA 620 TAND ERG EASTERN 630 TONISIA 630 TONISIA 64 TUNISIA 65 OF GABES, OUT OF FOCUS 65 TUNISIA 66 TUNISIA 67 OF GABES, OUT OF FOCUS 68 TUNISIA 69 OF GABES, OUT OF FOCUS 69 TUNISIA 60 TUNISIA 60 TONISIA 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TONISIA 64 TUNISIA 65 OF GABES, OUT OF FOCUS 66 TUNISIA 66 TUNISIA 67 OF GABES, OUT OF FOCUS 68 S. ON 69 OF GABES, OUT OF FOCUS 69 TUNISIA 60 OF GABES, OUT OF FOCUS 61 TUNISIA 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TON 64 TUNISIA 65 OF GABES, OUT OF FOCUS 66 TUNISIA 67 OF GABES, OUT OF FOCUS 68 TUNISIA 68 TUNISIA 69 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TON 64 TUNISIA 65 OF GABES, OUT OF FOCUS 66 OF GABES, OUT OF FOCUS 67 OF GABES, OUT OF FOCUS 68 TUNISIA 68 TUNISIA 69 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 61 TUNISIA 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TON 64 OF GABES, OUT OF FOCUS 65 OF GABES, OUT OF FOCUS 66 OF GABES, OUT OF FOCUS 67 OF GABES, OUT OF FOCUS 68 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 TON 64 OF GABES, OUT OF FOCUS 65 OF GABES, OUT OF FOCUS 66 OF GABES, OUT OF FOCUS 67 OF GABES, OUT OF FOCUS 68 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 61 TUNISIA 62 OF GABES, OUT OF FOCUS 63 OF GABES, OUT OF FOCUS 66 OF GABES, OUT OF FOCUS 67 OF GABES, OUT OF FOCUS 68 OF GABES, OUT OF FOCUS 69 OF GABES, OUT OF FOCUS 60 OF GABES, OUT OF FOCUS 60 OF GAB		TUAMOTU ARCHIPELAGO	_	00	14.05 149	15 LO 250 N		031442 139	286		12
92 TUNISTA SABKHA MELAH 33.5N 11.0E 34.1N 126 TUNISTA G. OF TUNIS, CAPE BON 37.0N 10.5E 37.6N 128 TUNISTA G. OF TUNIS, CAPE BON 36.5N 11.0E 37.3N 128 TUNISTA GARADERS G. 35.0N 11.5E 35.5N 128 TUNISTA TELL ATLAS MITNS., CAST 36.5N 8.5E 39.4N 228B TUNISTA GRAND ERG EASTERN 32.5N 9.0E 36.5N 24 TUNISTA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISTA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISTA GRAND ERG EASTERN 31.5N 10.0E 36.0N 59 TUNISTA GARADERS GASTERN 31.5N 11.0E 38.5N 60 TUNISTA G. OF GABES, OUT OF FOCUS 37.0N 11.0E 38.5N 61 TUNISTA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISTA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 61 TUNISTA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 61 TUNISTA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 33.2N ALLEYS, RIVER BASIN 37.5N 38.5E 27 TURKEY CUPHRATES RIVER BASIN 37.5N 38.5E 40.0N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 40.0N 29 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 20 TURKEY CALLEYS, RIVERS, MATSCST 41.0N 41.0E 33.3N 20 TURKEY CALLEYS, RIVERS, MATSCST 41.0N 41.0E 33.3N 20 TURKEY CALLEYS, MITSCST 41.0N 41.0E 39.3N 20 TURKEY CALLEYS, MITSCST 41.0N 41.0E 39.3N 20 TURKEY CALLEYS, MITSCST 41.0N 41.0E 39.3N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 41.0E 39.3N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 39.5E 39.7N 20 TURKEY CALLEYS, MITSCST 41.0N 30.5E 39.7N 20 TURKEY CALLEY CALLEYS, MITSCST 41.0N 30.5E 39.7N 20 TURKEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CALLEY CAL		TUAMOTU ARCHIPELAGO	MATAIVA	.0S 148	15.0S	20 NV 250 U			286		12
126 TUNISIA G. OF TUNIS, CAPE BON 37.0N 10.5E 37.6N 122 TUNISIA GARQANNAH IS., GABES G. 35.0N 11.0E 37.3N 225B TUNISIA QARQANNAH IS., GABES G. 35.0N 11.5E 35.5N 1228B TUNISIA TELL ATLAS MTNS., COAST 36.5N 8.5E 39.4N 228B TUNISIA GRAND ERG EASTERN 32.5N 9.0E 36.0N 24 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISIA GARAND ERG EASTERN 31.5N 11.0E 38.5N 10.0E 33.0N 11.0E 38.5N 60 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 10.0E 33.2N 61 TUNISIA BASIN 37.5N 38.0E 2 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY DOGU KARADENIZ MNTSCST 41.0N 41.0E 39.3N 33.1 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 42.0E 37.0N 39.5E 39.7N 50.7N		TUNISTA	SABKHA MELAH	.5N 11	34.1N	40 NV 250 N					14
127 TUNISIA G. OF TUNIS, CAPE BON 36.5N 11.0E 37.3N 128 TUNISIA QARQANAH IS., GABES G. 35.0N 11.5E 35.5N 225B TUNISIA TELL ATLAS MTNS., COAST 36.5N 8.5E 39.4N 228A TUNISIA DJERID LAKE, EASTERN ERG 34.0N 8.5E 37.1N GRAND ERG EASTERN 32.5N 9.0E 36.5N 24 TUNISIA GRAND ERG EASTERN 32.5N 9.0E 36.0N 24 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N TUNISIA GARQANNAH ISLANDS 37.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 1 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY EUPHRATES RIVER BASIN 37.5N 38.5E 40.0N 40.0N 39.5E 40.0N 40.0N 39.5E 39.7N 40.0N 42.0E 37.2N		TUNISIA	CAPE	.0N 10.	11	40 LO 250 N	N 19910430	131916 140	237	23	35
128 TUNISIA QARQANNAH IS., GABES G. 35.0N 11.5E 35.5N 225B TUNISIA TELL ATLAS MTNS., COAST 36.5N 8.5E 39.4N 228A TUNISIA DJERID LAKE, EASTERN ERG 34.0N 8.5E 37.1N 228B TUNISIA GRAND ERG EASTERN 32.5N 9.0E 36.5N 24 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N QARQANNAH ISLANDS 34.5N 11.5E 37.0N 11.0E 38.5N G. TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.5N G. OF TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.5N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.3N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.3N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.3N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.3N G. OF GABES, OUT OF FOCUS 35.0N 11.0E 39.3N G. OF GABES, OUT OF C. VAN 39.0N 42.0E 37.3N G. OF GABES, OUT OF C. VAN 30.0N 42.0E 37.3N G. OF GABES, OUT OF C. VAN 30.0N 42.0E 37.3N G. OF GAB		TUNISIA		. SN	37.3N 12	40 LO 250 N	N 19910430	131922 140	237	53	35
225B TUNISIA TELL ATLAS MTNS., COAST 36.5N 8.5E 39.4N 228A TUNISIA DJERID LAKE, EASTERN ERG 34.0N 8.5E 37.1N 228B TUNISIA GRAND ERG EASTERN 32.5N 9.0E 36.5N 229 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 10.0E 37.0N 11.0E 38.5N 60 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 1.0REY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY EUPHRATES RIVERS, HAZE 27 TURKEY HARSIL RIVERS, HAZE 28 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 40.0N 20 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 33. TURKEY BATUMI-SED. PLUME 51.5N 41.5E 38.9N 51.5N 51.		TUNISIA	QARQANNAH IS., GABES G.	.0N 11	35.	15 LO 250 N		131958 140	242	53	35
228A TUNISIA DJERID LAKE, EASTERN ERG 34.0N 8.5E 37.1N 228B TUNISIA GRAND ERG EASTERN 32.5N 9.0E 36.5N 229 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISIA GARQANNAH ISLANDS 34.5N 11.5E 37.0N 59 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 46 TUNISIA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 2 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY EUPHRATES RIVERS, HAZE 41.1N 29 TURKEY VALLEYS, RIVERS, MOUNTAIN 40.0N 39.5E 40.0N 30 TURKEY DOGU KARADENIZ MITSCST 41.0N 39.5E 40.0N 39.3N 31 TURKEY BATUMI-SED, PLUME 41.5E 38.9N 30.5N 32 TURKEY BATUMI-SED, PLUME 41.5E 39.9N 33 TURKEY BATUMI-SED, PLUME 41.5E 39.9N		TUNISIA	TELL ATLAS MTNS., COAST	. 5N 8	39.4N	HO 250	N 19910502	130255 140			67
228B TUNISIA GRAND ERG EASTERN 32.5N 9.0E 36.5N 229 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISIA QARQANNAH ISLANDS 34.5N 11.5E 37.0N 59 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 46 TUNISIA NE ERG ORIENTAL 32.5N 10.0E 33.2N 2 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY EUPHRATES RIVERS, HAZE 41.1N 28 TURKEY VALLEYS, RIVERS, HAZE 41.1N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 38.5E 30 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 40.0N 31 TURKEY BATUMI-SED, PLUME 41.5E 38.9N 32 TURKEY BATUMI-SED, PLUME 41.5E 38.9N		TUNISIA	DJERID LAKE, EASTERN ERG	∞	37.1N 5	30 LO 250 0		130342 139	197	58	67
229 TUNISIA GRAND ERG EASTERN 31.5N 10.0E 36.0N 24 TUNISIA QARQANNAH ISLANDS 34.5N 11.5E 37.0N 59 TUNISIA QARQANNAH ISLANDS 34.5N 11.0E 38.5N 60 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 11.0E		TUNISIA	GRAND ERG EASTERN	e NG	36.5N 5	2	z				67
24 TUNISIA QARQANNAH ISLANDS 34.5N 11.5E 37.0N 59 TUNISIA TUNIS 37.0N 11.0E 38.5N 60 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 1 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 2 TURKEY EUPHRATES RIVERS, HAZE 27 TURKEY VALLEYS, RIVERS, HAZE 29 TURKEY HARSIL RIVER, MOUNTAIN 40.0N 39.5E 40.0N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 40.0N 30 TURKEY BATUMI-SED. PLUME 41.5E 39.3N 31 TURKEY BATUMI-SED. PLUME 41.5E 38.9N		TUNISIA	ERG	2N	36.0N 6	LO 250	2				67
59 TUNISIA TUNIS, OUT OF FOCUS 37.0N 11.0E 38.5N 60 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 11.0E 38.5N 11.0E 38.5N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 33.2N 11.0E 34.1N 11.0E 33.3N 11.0E 34.1N 11.0E 33.3N 11.0E 34.1N 11.0E 33.3N 11.0E 34.1N 11.0E 33.3N 11.0E 34.1N 11.0E 33.3N 11.0E 34.1N 11.		TUNISIA	Ŧ	Z.	37.0N	LO 250	z				20
60 TUNISIA G. OF GABES, OUT OF FOCUS 35.0N 11.0E 38.5N 61 TUNISIA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 46 TUNISIA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 11.0E 38.5N 11.0E 33.2N 2.0E 2.0PHRATES RIVER BASIN 37.5N 38.0E 2.0PHRATES RIVER BASIN 37.5N 38.5E 40.0N 28 TURKEY VALLEYS, RIVERS, MAZE 41.1N 40.0N 39.5E 40.0N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N 20.0U KARADENIZ MNTSCST 41.0N 41.0E 39.3N 33.7URKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 42.0E 37.8N 20.0F 27.8N 20.0F		TUNISIA	SCOS	₹	38.5N	LO 100	z				34
61 TUNISIA G. OF GABES, OUT OF FOCUS 33.0N 11.0E 38.5N 46 TUNISIA NE ENPHRATES RIVER BASIN 37.5N 38.0E 2 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY VALLEYS, RIVERS, HAZE 29 TURKEY HARSIL RIVERS, MOUNTAIN 40.0N 39.5E 40.0N DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N DOGU KARADENIZ MNTSCST 41.0N 41.0E 39.3N 33 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 23.7HOKEY CALCES MNTSCST 41.0N 41.0E 39.3N 23.7HOKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 23.7HOKEY CALCES MNTSCST 41.0N 42.0E 37.8N 23.7HOKEY CALCES MNTSCST 41.0N 42.0E 37.8N 23.7HOKEY CALCES MNTSCST 41.5N 41.5E 38.9N 23.7HOKEY CALCES MNTSCST 41.5N 41.5E 38.9N 23.7HOKEY CALCES MNTSCST 41.5N 41.5E 38.9N 23.7HOKEY CALCES MNTSCALCES MNTSCALCES 37.8N 23.7HOKEY CALCES MNTSNE OF L. VAN 39.0N 42.0E 37.8N 23.7HOKEY CALCES MNTSNE OF L. VAN 39.0N 42.0E 37.8N 23.7HOKEY CALCES MNTSNE OF L. VAN 39.0N 42.0E 37.8N 23.7HOKEY CALCES MNTSCAL		TUNISIA	OF GABES, OUT OF	NO.	38.5N	LO 100	2			4	34
46 TUNISIA NE ERG ORIENTAL 32.5N 10.0E 33.2N 1 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 27 TURKEY VALLEYS, RIVERS, HAZE 41.1N 28 TURKEY VALLEYS, RIVERS, HAZE 41.1N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N 30 TURKEY DOGU KARADENIZ MNTSCST 41.0N 41.0E 39.3N 31 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N		TUNISIA	OF GABES, OUT OF	.ON 11	. 5N	15 LO 100 N	N 19910430	131900 136	238	54	34
1 TURKEY EUPHRATES RIVER BASIN 37.5N 38.0E 2 TURKEY EUPHRATES RIVER BASIN 37.5N 38.5E 27 TURKEY VALLEYS, RIVERS, HAZE 41.1N 28 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 40.0N 30 TURKEY DOGU KARADENIZ MNTSCST 41.0N 41.0E 39.3N 31 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N		TUNISIA	NE ERG ORIENTAL	10	33.2N 9	0 NV 250 N	N 19910502	130500 135	239	61	99
2 TURKEY EUPHRATES RIVER BASIN 37.5N 38.5E 27 TURKEY VALLEYS, RIVERS, HAZE 28 TURKEY HARSIL RIVER, MOUNTAIN 40.0N 39.5E 40.0N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N 30 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.3N 31 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 32 TURKEY CARE, MNTSCST 41.0N 42.0E 37.8N		TURKEY	S RIVER	38		LO 35	z				
27 TURKEY VALLEYS, RIVERS, HAZE 41.1N 28 TURKEY HARSIL RIVER, MOUNTAIN 40.0N 39.5E 40.0N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N 30 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N		TURKEY	S RIVER	.5N 38		35					
28 TURKEY HARSIL RIVER, MOUNTAIN 40.0N 39.5E 40.0N 29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N 30 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N CALCES AT AT AT AT AT AT AT AT AT AT AT AT AT		TURKEY	VALLEYS, RIVERS, HAZE			LO 250	N 19910428	13	243	46	7
29 TURKEY DOGU KARADENIZ MNTSCST 41.0N 39.5E 39.7N 30 TURKEY DOGU KARADENIZ MNTSCST 41.0N 41.0E 39.3N 31 TURKEY BATUMI-SED. PLUME 41.5N 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N 50 TURKEY CALCED TATAN 1 VAN 39.0N 42.0E 37.8N		TURKEY	HARSIL RIVER, MOUNTAIN		40.0N	≩	Y 19910428	120157 133	245	45	~
30 TURKEY DOGU KARADENIZ MNTSCST 41.0N 41.0E 39.3N 31 TURKEY BATUMI-SED, PLUME 41.5N 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N		TURKEY	DOGU KARADENIZ MNTSCST		39.7N	2		120202 133		45	2
31 TURKEY BATUMI-SED, PLUME 41.5E 38.9N 32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N		TURKEY	MIS		39.3N			_		45	~
32 TURKEY LAKE, MNTS. NE OF L. VAN 39.0N 42.0E 37.8N 42		TURKEY			38.9N	LO 250				45	~
CT BC CC UT BY OC BY/Y - NY/YYY COUCLY		TURKEY	. NE OF L. VAN	42	42		Y 19910428	~	250	44	7
33 IUKKEY CALUEKA, IAIVAN, L. VAN 38.5N 42.UE 37.3N 43	71 33	TURKEY	CALDERA, TATVAN, L. VAN	38.5N 42.0E	37.3N 43.0E	0 LO 250 N	Y 19910428	120251 134	251	44	7

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	ER	NADIR				1				SUN		
ď	۳	GEOGRAPHIC NAME	l	LAT	-	-,	8			- 1	DATE	EM S	A.	AZ	ᆈ	8
73	78	TURKEY	COAST-ABAL AN NUSAYRIYAH	36.0N	.0E	N6.	35.9E			z		040619	143	82	14	13
73	81	TURKEY	LAKE VAN	38.5N	43.0E 3	38.7N 3	39.0E	40 00	250	Z O	19910429	040717	143	85	17	13
84	51	TURKEY	TRABZON, CST, EDDIES, SGLT	41.3N	40.0E 4		40.7E	0 0	250		19910503	095417	139	154		81
84	53	TURKEY		38.6N	42.6E 3	39.6N 4	44.1E	35 LO	250		19910503	095513	139	162		81
151	66	TURKEY	ZONGULDAK, BLACK SEA	41.0N		41.1N 3	30.6E			z	19910430	114831	141	228		34
151	100	TURKEY	NEAR ANKARA, BLACK SEA	40.5N	32.5E 4		30.9E	50 LO	250		19910430	114837	141	229	54	34
151	101	TURKEY	KONYA PLAIN, TUZ LAKE	39.0N	33.5E 3		32.0E	10 NV	250		19910430	114855	141	231		34
151	102	TURKEY	KONYA PLAIN, TUZ LAKE	39.0N	33.5E 3		32.4E	10 NV	250		19910430	114903	141	232	53	34
151	103	TURKEY		38.5N	34.0E 3		33.2E	10 NV	250	>- =	19910430	114917	141	234	53	34
151	104	TURKEY	G. OF ALEXANDRIA, NUR MT	36.5N	36.0E 3	N6	35.4E	20 02	250	z	19910430	114957	140	239	53	34
- 3	,						L O		•	=		000	96	•		_
0 0	י ר	LUKKET	DAKDANELLES	9 (41.2N 2	30.02			z	1001681	114100	130	* 77	6	 P
909	3,	IUKKEY	LAKE VAN	39.0N	43.0E	į										-
607	17	TURKEY	TNS.							Z	19910430	114900	137	235		33
607	18	TURKEY	PONTIC MINS., L. AKSEHIR	39.5N		Z				z	19910430	114900	137	235		33
607	19	TURKEY	KONYA PL., TUZ LAKE	39.0N	E	N6	32.1E			z	19910430	114900	137	235	54	33
607	20	TURKEY	KONYA PL., TUZ LAKE	38.0N	32.0E 3	26		35 HO	100		19910430	114900	137	235		33
607	2.1	TURKEY	KONYA PL., TUZ LAKE	37.0N	31.0E 3	NO		55 HO	100		19910430	115000	137	242		33
607	22	TURKEY	G. OF ALEXANDRIA, NUR MT	37.0N	36.0E 3	37.0N 3	5.4E	55 LO	100	z	19910430	115000	137	242		33
607	23	TURKEY	TAURIS, NUR MTNS.	38.0N	.0E	37.0N 3	5.4E	60 LO	100	z		115000	137	242	53	33
607	24	TURKEY	NUR MTS., EUPHARTES R. R	37.0N	37.0E 3	0N 3	5.4E	65 HO	100		19910430	115000	137	242		33
						;			•				;		;	
809	20		ERT, RIFT VAL	.	-		1.3E			z z	19910502	131500	135	289	38	99
7.1	82	ARAB	YAS-PERSIAN G	24.0N	2.5E	4.3№	54.5E	2 FO			19910428	120704	138	270	35	7
7.1	98	ARAB	FIYYA, MARAWIH, OIL CST	24.5N	E	2	54.7E				19910428	120707	138	270	35	7
17	87	ARAB	OIL ON COAST	24.0N	. SE	4.0N	54.7E				19910428	120709	138	270	35	7
71	88	ARAB	-OIL ON COAST	24.0N	4.0E	3.9N	54.8E			> 2	19910428	120711	138	270	35	7
7.1	83	UNITED ARAB EMIRATES	COAST-AL JIRAB	24.5N	54.0E 2	3.7N	55.0E	07 0	250		19910428	120716	138	270	35	7
7.1	06	ARAB	COAST-ABU ZABY	24.5N		3.6N	5.1E				19910428	120718	138	270	35	7
7.1	91	ARAB	COAST-PERSIAN GULF	25.0N	54.5E 2	3.5N		5 10		> 2	19910428	120719	138	271	35	7
7.1	36	ARAB	DUBAYY	25.5N	55.0E 2	3.3N	ŝ.		250	> Z	19910428	120722	138	271	34	7
71	93	UNITED ARAB EMIRATES	ASH SHARIQAH, DUBAYY	25.0N	55.5E 2	3.2N 5	5.3E	15 LO	250		19910428	120724	138	271	34	7
11	94	UNITED ARAB EMIRATES	ABU ZABY	24.0N	54.5E 2	3.1N 5	55.4E	10 NV	250	Z	19910428	120721	138	271	34	7
7.1	95	UNITED ARAB EMIRATES	DUNES-SALT PANS-ROADS	23.0N	53.5E 2	22.7N 5	55.7E	0 0	250	>	19910428	120733	138	271	34	2
7.1	96	ARAB		23.0N	9		5.8E			>	19910428	120736	138	271		7
85	82	ARAB	RM, GULF CO	24.5N	2.5	27.0N 5	56.1E				19910503	095922	137	199		81
82	83	ARAB	SAND STORM, OFFSHORE ISL.	24.5N	. 5E		56.7E	0 0	250	z	19910503	095935	137	201		81
82	84	UNITED ARAB EMIRATES	ABU DHABI, SAND ST, W.CST.	24.5N	. 5E	26.1N 5	56.8E	0 0	250		199:0503	095939	137	202		81
87	21	UNITED ARAB EMIRATES	CST, C. MUSHAYRIB, C. KHUMAY	24.2N	1.5E		54.7E	20 LO	250		19910428	120716	138	270		7
87	22	ARAB		24.1N	51.7E 2	24.0N 5	54.7E	20 LO	~	> 2	19910428	120718	138	270	35	7
87	23	UNITED ARAB EMIRATES	CST, C.MUS	23.9N	51.8E 2		•	20 LO	~		910428	120721	138	270		7
8	24	UNITED ARAB EMIRATES	AL KIDAN DUNES-EDGE	23.0N	54.5E 2		55.9E	0 0	250	≻ Z	19910428	120747	138	272		2

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR	IR	1					S	SUN	
æ	۳	GEOGRAPHIC NAME		- 1	- 1	NO.	리	ᆈ	!	- 1		١	֡֜֞֝֞֜֞֜֞֜֜֞֜֜֜֡֡֡֡֡֡	<u>چ</u>
87	25	UNITED ARAB EMIRATES	AL KIDAN DUNES-EDGE	8 0.		55.9E		250 U Y					34	~
87	92	UNITED ARAB EMIRATES	AL KIDAN DUNES-EDGE	23.0N 54.6E	22.3N	56.0E	2	250 U Y	19910428	28 120751				2
909	56	UNITED ARAB EMIRATES	DUBAI	25.5N 55.5E	26.6N	52.2E	2	250 N N	19910504	04 095400				96
605	57	UNITED ARAB EMIRATES	DUBAI		26.6N	52.2E	07 0	250 N Y	19910504	04 095400			67	96
605	58	UNITED ARAB EMIRATES	DESERT AREA S. OF DUBAI	24.0N 55.5E	26.6N	52.2E	0 0	250 N N	19910504	04 095400	00 143	246	67	96
72	72	USA	CLOUDS OVER WEST. U. S.				全	250 N N						
72	73	USA	WHITE SA				70 HO	250 N N						
72	75	USA					오	250 N N						
75	57	USA	NORTHERN ROCKY MOUNTAINS		48.8N	110.3W	2	250 N N	19910428		23 144	218	20	80
7.5	28	USA			47.0N	106.9W	15 LO	250 N N	19910428	28 205707	07 144	224	49	80
36	63	VOI	ALEB S DAVOTA ACBICH THE		NO 14	90	75	מאט או או	10010428	28 20590	06 141	230	4	α
C :	70	¥20	NEB-3. DANDIA, AGAICUL IONE		10.1	BD 00	2 9	2 :	• •				֓֞֜֝֜֜֝֓֓֓֓֓֓֓֓֓֜֝֜֜֜֝֓֓֓֓֓֜֜֜֜֜֓֓֓֓֓֜֝֡֓֜֜֜֡֡֓֡֓֜֜֜֡֓֡֓֡֡֡֡	,
75	63	USA	NEB-S.DAKOTA, AGRICU'TURE		41.1N		2	2 :					4	20 0
75	69	USA	TH STORMS		•		2	Z	_				45	xo
75	20	USA	THUNDER STORM TOPS		36.0N		2	Z	-				45	σ
75	7.1	NS A	CLOUDS		34.9N		2	250 N N			29 141		4	œ
75	72	USA	CUMULONIMBUS, HIGH CLOUDS		33,4N	89.5W 1		z	-		59 141		43	∞
75	73	USA	STORM FRONT-HAZE		31.8N	88.1W	80 HO	250 N N	19910428	28 210230	30 141	259	42	8
75	74	USA	THUNDERSTORMS-SHUTTL APU		31.0N	87.3W	95 LO	250 N N	19910428		46 141		42	œ
75	75	USA	THUNDERSTORMS-SHUTTLTAIL		29.3N	86.0W	95 HO	250 N N	1 19910428	28 210317	17 140	263	41	æ
80	86	USA	CA. NV-GREAT BASIN		38	118.4W	2	Z	19910429		08 143	88	17	20
														•
80	66	USA	CA, NV-GREAT BASIN			115.9W	2	z					19	20
93	-	USA	CLOUDS		39.4N	101.1W	95 LO	250 N N	19910505	05 184254	54 145	163	29	119
95	S	USA	PANORAMA, E. HALF LK ERIE	42.0N 80.0W	1 45.7N	87.0W	90 HO	100 N N	19910505	05 171050	50 146	147	51	118
96	9	USA	PANORAMA, E. HALF LK ERIE	42.0N 80.0W	1 45.0N	₩6.38	30 00	100 N N	-	05 171106	06 146	149	29	118
95	1	USA	PANORAMA, E. HALF LK ERIE	42.0N 79.0W	44.8N	85.7W	20 LO	100 N N	19910505	05 171110	10 146	149	52	118
98	æ	USA	PANORAMA, E. HALF LK ERIE	42.0N 79.0W	1 44.7N	85.4W	10 00	100 N N	19910505	05 171114	14 146	150	53	118
151	222	USA	CLOUDS CENT.GREAT PLAINS		41.6N	105.5W	70 LO	250 U N	19910502	02 124317	17 140	69	- 4	67
019	-	USA	GREAT BASIN LK.		40.0N	122.9W	07 0	250 N N	19910430	30 142800	00 137	82	13	35
612	-	USA	CLOUDS, DARK		48.8N	114.5W 1	100 LO	100 U N	19910429	29 205000	00 138		53	23
75	40	USA-AK	MORZHOVOI BAY	55.0N 163.0W	56.6N	163.9W	40 LO	250 N Y	19910428	28 20475	57 146	137	41	œ
75	41	USA-AK	NUSHAGAK BAY, PENINSULA	58.5N 159.0W	57.0N	159.1W	0 0	250 N Y	19910428	28 204838	38 146	143	42	
7.5	42	HSA-AK	RAV	2	57 1N	15.7 BW	=	250 N V						~
32	4.3	IISA-AK		2	57.2N		3	: 2					4.	
7.5	74	11SA - AK	SARAS CITO IS	2	57 2N		2	2					4P	α
	, 9	78 - 80 I	ALEITTAN T - IMMAK-CLOUDS	52 5N 189 0W	52. ER		2 ≥	: 2					2	
: F	n (44 - 470	٠,				2						3 5	2 :
<u> </u>	0.7	USA-AK	SUNAL		74. SC	¥ :	3 :	Z :					2	2 5
83	89	USA-AK	Z :		54.3N	. 2	2	z :		⊶ ,			4	23
83	69	USA-AK	EN, SANAK	Z :	54.5N	3 .	3	Z N 062		_			35	23
83	70	USA-AK		. S	54.8N	36. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	9 9	200					35	23
83	-	USA-AK	SHUMAGIN ISLANDS	55.0N 160.0W	55.UN	154.9W	30 10	250 N Y	19910429	29 19102	29 145	119	35	23

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ا م	1			CENTER	NADIR				l		S	1
	٤	GEOGRAPHIC NAME	r EATURE	إ	LAI	=		UAIE	E E	\ \ \ \ \ \ \ \ \ \ \ \ \	7	5
80	4 3	USA-AK	UNTAINS	.5N 136.		≩	z					
88	4	USA-AK	ICY STRAIT, GLACIER BAY	135		0 NV 250	z o					
75	39	USA-AL	ISANOTSKI PEAKS-SUNGLINT	55.0N 163.5W	56.5N 164.9W		N Y 199	9910428 20	204748 1	146 1	136 41	∞
98	11	USA-AL	SHUMAGIN ISLANDS	55.1N 159.5W	55.4N 157.4W		≥ .	9910429 23	221557 1	144 1	175 49	
98	12	USA-AL		56.0N 159.0W	55.0N 155.3W	60 LO 250	Z	19910429 23	221617 1	144 1	178 49	25
98	13	USA-AL	MOUNT VENIAMINOF AREA	159.0W	54.8N 154.4W	70 LO 250	z	19910429 23	221625 1	144 1	179 49	
94	12	USA-AZ			114.	2			201917 1			-
94	13	USA-AZ	TUCSON AREA	111.0W	34.4N 114.1W	9	Z	9910504 20	201923 1		176 61	104
94	14	USA-AZ	SE ARIZONA, OPEN PIT MINE	111	112	2	Z		~		181 63	
72	105	USA-CA	KLAMATH RIVER MOUTH	41.5N 121.5W		35 LO 250	z z					
87	33	USA-CA	CST RA, PT. PIEDRAS BLANCO	35.7N 121.2W	37.0N 118.2W		Z	9910428 14	144021 1	143	85 18	4
87	34	USA-CA		.8N 121.	_	5 LO 250	-					
87	35	USA-CA	\vdash	WI 119.1W		2	N 19		144040 1			4
87	38	USA-CA	L. TAHOE, RENO, MIN. SNOW	39.1N 120.2W	39.1N 115.8W		2	9910428 14	144105 1	143		
83	44	USA-CA	CA.COASTLINE, MTNS.	124.0W	43.6N 128.2W		N N 199		222133 1	142 2	227 52	2
68	45	USA-CA			43.4N 127.8W	2	z		222139 1	142 2		7
68	46	USA-CA	CA.COASTLINE, MTNS.	40.0N 124.0W	43.1N 127.4W	0 LO 250	z	19910429 27	222145 1	142 2		~
83	47	USA-CA	CA.COASTLINE, MTNS.	39.0N 123.0W	42.1N 126.0W	0 LO 250	N N 199				231 52	~
88	48	USA-CA		40.4N 124.2W	41.7N 125.5W	L0 2	z	9910429 23	91	142 2		2
89	49	USA-CA	NEAR CORNING, FIELD PATNS	39.8N 122.3W	40.3N 123.7W	0 LO 250	N N 199	10429	222246 1	141 2	236 51	~
		,										
68	20	USA-CA	UKAIH AREA, PT. ARENA	200	8. 8.		N 199					
83	51	USA-CA	SA AREA	122	. 5N	2	z					
68	25	USA-CA		38.0N 122.8W	.2N 122		Z				239 51	
83	53	USA-CA	REA	122.5W	8 6	2	z					
68	54	USA-CA	ANCISCO BAY AREA	122.2W	2		N 199				240 51	25
68	22	USA-CA	BAY AREA		¥.	2	N 199	10429			241 51	
68	99	USA-CA	AREA		S.	2	N 199	10429				
89	57	USA-CA	ASO ROBLES	.ON 121.	.7N 120		N 199	10429	_		243 50	
68	58	USA-CA	QN C	₹.	. 5N	707	2	429		_		
68	59	USA-CA	SANTA MARIA AREA	35.0N 120.4W	37.1N 120.1W	10 LO 250	Z	9910429 22	22352 1	141 24	44 50	
89	9	USA-CA	SANTA BARBARA AREA	34.7N 119.8W	36.8N 119.8W	0 LO 250	Z	9910429 23	222357 1	141 2	245 50	
68	61	USA-CA	AREA	119	5N 119.	9	Z					
68	62	USA-CA	LES AREA	34.1N 118.4W	Z	2	. z					
89	63	USA-CA	E AREA	117	5N 118	9	2				248 49	
68	64	USA-CA	DUNES AREA		8N 117	2	Z					
83	65	USA-CA		117.0W	38		N N 199					
94	თ	USA-CA	EA IMPERIAL VAL.	115.7W		2	N 19					
94	10	USA-CA	O JORDER	115.0W	.2N 115	2	N 19		~		172 59	
95	90	USA-CA	OF BAKERSFIELD	119.	5.5N 119.	10 1	N 199	10505	6			120
95	51	USA-CA	VENTURA AREA	34.3N 119.0W	34.3N 118.3W	0 LO 250	₩ 198	10505	201414 1	144 1	176 65	

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR				S	SUN	
RL	FR	GEOGRAPHIC NAME	- 1	LAT LON	LAT LON	CC TL FL E	DATE	GMT AL	AZ	ᆈ	g
96	25	USA-CA	VENTURA AREA	34.3N 119.0W	33.7N 117.8W	2	19910505	201424 144	177		120
96	53	USA-CA	SANTA SUSANA AREA	34.3N 118.6W	33.5N 117.7W	0 LO 250 N	N 19910505	201428 144	178		120
95	54	USA-CA	LOS ANGELES, LONG BEACH	33.9N 118.2W	33.2N 117.3W	2	N 19910505	201435 144	179		120
95	55	USA-CA	E AREA	8. 8.	33.0N 117	2	N 19910505	201438 144	179		120
96	99	USA-CA	RIVERSIDE AREA	.0N 117	32.8N		N 19910505	201442 144	180		120
95	57	USA-CA	ONTARIO AREA	.2N 117	32.7N	2	N 19910505	201444 144			120
95	58	USA-CA	SAN BERNADINO AREA	34.0N 117.2W	32.6N 116.8W	2	N 19910505	201447 144	181	67	120
96	59	USA-CA	w	8.	32.3N 116.5W		N 19910505	201453 144	182		120
98	90	USA-CA		33.8N 117.4W	32.1N 116.3W	2	N 19910505	201457 144			120
95	61	USA-CA	SAN DIEGO AREA	32.8N 117.0W	31.6N 115.9W	0 LO 250 N	N 19910505	201505 144	183	68	120
95	62	USA-CA	SAN DIEGO AREA	33.0N 117.0W	31.5N 115.8W	0 LO 250 N	N 19910505	201508 143			120
95	63	USA-CA	MOJAVE DESERT	34.8N 118.0W	30.8N 115.2W	0 LO 250 N	N 19910505	201521 143	3 186	89	120
95	64	USA-CA	PANORAMA, LA BASIN, MTNS	34.4N 119.0W	30.3N 114.8W	2	N 19910505	201530 143			120
95	65	USA-CA	PANORAMA, LA AREA, MOJAVE	S.		2		201536 143			120
98	99	USA-CA	PANORAMA, SALTON SEA AREA	33.0N 115.5W		LO 250					120
98	67	USA-CA	SAN.	.0N 116.	27.1N 112	HO 250					120
95	99	USA-CA	PANORAMA, SAN DIEGO, MOJAV	3₹	26.7N 111.8W	HO 250	19910				120
٠,	69	USA-CA	PANORAMA, SALTON SEA AREA	7.	26.5N		19910505	201642 143			120
151	181	USA-CA	SAN FRANCISCO BAY AREA	.5N 12	38.1N	2	19910430	_	230		41
_	181A	USA-CA	SAN FRANCISCO BAY AREA	37.5N 122.0W	37.5N 124.4W	35 LO 250 N	19910430	221633 140		55	41
7.	182	A 7 - A 211	DT CONCEDITION & MADIA	35 ON 120 5W	34 7N 121 KW	30 10 250 N	M 10010430	221720 140	230		1
	107	K2 K52	CONCEPTION S	20.46	24 28 121	3 5		, ,	, ,	5 4	
	201	40-400 400-400	CONCERTION,	33.0M 120.	34.3N 161.	3 :					; ;
151	184	USA-CA	LES BASIN	24. CZ	33.1N 120.	3		_	243	4 .	7 .
	001	40-400 40-401	5 6	2 2	51.9N 116	2 .	19910430				7 .
	981	USA-CA	AKEA	118.	31.4N 118.	3 9	19910430		7		41
700	75	USA-CA	SIEKKA NEVAUA, HAZE	.UN 118.	31. IN 128	₽ :	19910429				2 :
209		USA-CA	MONIERE	Z :	34.2N 125	ם פר	5.				51.
700	t (A7-A80	SAN TRANCISCO BAT AREA	. DZI NG.	34.2N 123.	3 9	n (2 .
200	o e	1084-CA	SAN JOAQUIN VALLET	120.		10 CO 100 K	2401881 N	143300 139		Ξ;	7 .
700	9	U3A-LA	SAN SONOTIN VALLET	2	34.4N 123.	3	7501661		0	=	8
602	37	USA-CA	SAN JOAQUIN V., MONO LK.	38.0N 120.0W	37.1N 122.1W	5 LO 100 N	Y 19910429	143400 139		14	19
602	40	USA-CA	SAN .	35.0N 118.0W	37.1N	10 HO 100 N	N 19910429	143400 139		14	19
209	41	USA-CA	VIEW S. SAN JOAQUIN VAL.	35.0N 117.0W	37.1N 122.1W	10 HO 100 N	Y 19910429	143400 139		14	19
209	42	USA-CA	S. SAN JOAQUIN	.0N 118	37.1N 122	오		•	1 82	14	19
209	43	USA-CA		.0N 120		15 LO 100 N	19910429	143400 139		14	19
802	44	USA-CA	S. SIERRA	.5N 119	37.1N 122	2	19910429				19
209	45	USA-CA		.0N 117	37.1N 122	오					19
612	34	USA-CA	.,BAY	.5N 122.	42.8N 127.	2		13	~	52	24
612	35	USA-CA	TO VAL	.0N 122	127.			_		25	24
612	98	USA-CA	SAN FRANCISCO BAY AREA	38.0N 122.0W	40.0N 123.4W	0 LO 100 N	Y 19910429	222300 138	238	52	24

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				THE	9	I O A M								ا	3	
ź	FR	GEOGRAPHIC NAME	FEATURE	LAT	LON	LAT	LON LON	2	L FL	ES	DATE	GMT	Ą	A2 3	EL	S.
612	37	USA-CA	VAL., TAHOE		1	40.0N 1	123.4W			z	19910429	222300		238	29	24
612	38	USA-CA	UIN VAL., CARMEL	36.0N 1	120.5W 4	40.0N 1	123.4W	10 H	001 0	z	19910429	222300		238	52	24
612	39	USA-CA	SAN JOAQUIN VAL., L. A.	35.5N 1	119.0W 4	-	123.4W	5 10	100	Z	19910429	222300	138	238	29	24
82	97	USA-CO	DENVER, SNOW				105.2W			z		204602	141	224	55	40
82	27	USA-CO	DENVER, SNOW	39.7N 1	104.8W 3		104.1W	№	/ 250	z	19910430	204622	141	227	92	40
82	28	USA-CO	DENVER, SNOW	39.7N 1	105.0W 3		103.6W	15 LO	250	z		204630		228	55	40
95	22	USA-CO	FT.COLLINS AREA	40.5N 1	104.8W 4	42.3N 1	104.7W	90 09	100	z	19910505	184148	145	156	99	119
95	23	USA-CO	VRY CLDY FRAME		4		103.6W		100	z	19910505	184205	145		57	119
151	166	USA-CO	NEAR FORT COLLINS	40.5N 1	105.0W 4		105.0W	75 LO	250	z	19910430	204601	141	224	55	40
151	167	USA-CO	DENVER	40.0N 1	105.0W 3	39.8N 1	104.4W	20 NV	/ 250	z	19910430	204612	141	226	55	4
151	168	0J- \$ 511	DENVER	39 SN 1	104 5W 3	39 6N 1	MO 401	0.1	250	2	19910430	204618	141	727	5.5	9
604	12	USA-CO	AN MINS	2	3		107.11			: =		125000		76	· "	209
604	13	USA-CO	RINGS, PIKES PK.				107.1W) =	19910501	125000		76	ω (200
604	14	USA - C0	•				103.8W	0 0		=	19910501	125100		78	6	20
72	7.1	USA-CT	LONG IS., NEW LONDON		72.0W			N	/ 250	Z						
88	99	USA-CT	LONG ISLAND SOUND	40.5N	72.5W			≥ 0	/ 250	-						
7.2	11	USA-FL	KSC, ORLANDO, TAMPA	28.5N	81.0W			25 HO		z						
7.2	78	USA-FL	ORLANDO, TAMPA	28.0N	81.0W			30 HO	250	z						
72	79	USA-FL		28.0N	81.0W			30 HO	250	z						
7.2	80	USA-FL	ORLANDO, TAMPA	27.5N	81.5W			25 HO	250	Z						
7.2	81	USA-FL	. OKEECHOBE	27.0N	80.5W					z						
72	82	USA-FL	GLADES	25.0N	80.5W				250	Z						
151	506	USA-FL	AVERAL			31.4N	76.7W				19910501	191147	139	233	28	55
909	28	USA-FL	KSC		81.0W				100	Z						
909	59	USA-FL	KSC		80.5W					z						
909	9	USA-FL		26.5N	82.0W					z						
909	61	USA-FL	CHOBEE	27.0N	80.5W			S	100	z						
909	62	USA-FL	SEDIMENT PLUME		3					z						
7.7	102	USA-HI	D HERMES REEF	28.0N 1		27.9N 1	175.8W		/ 250	_		030207		264	4	12
94	37	USA-HI	LISIANSKI IS., NEVA SHOAL	26.0N 1	174.0W 2	25.5N 1	174.8W	2 10	100	z	19910505	005118	143	205	68	107
95	95	USA-HI	PANORAMA, CLOUD PATTERNS	19.5N 1	155.5W 1	16.6N 1	150.2W	60 HO	100	Z	19910505	231907	142	247	7.4	122
95	93	USA-HI		21.0N 1	156.0W 1	16.2N 1	150.0W	60 HO	001 (z	19910505	231914	142	249	73	122
605	87	USA-HI	HERMES REEF		176.0E			10 00	250	Z						
609	4	USA-HI	D HERMES REEF				178.1W	5 10				00500		229	71	106
609	2	USA-HI	LISIANSKI IS., NEVA SHOAL	26.0N 1		26.5N 1	175.5W	5 ₹	/ 250		19910505	005100	142	245	20	106
609	9	USA-HI	I IS., NEVA SHOAL		174.0W 2	26.5N 1	175.5W	5 NV	/ 250		19910505	005100	142	2 ; 5	70	106
7.3	50	USA-IA	MISS. RFT. MADISON				91.6W			z		131145	144	88	21	ო
73	21	USA-IA	SON-BURLINTON				91.5W					131147		83	22	က
73	22	USA-IA	BURLINTON-MISS. R.		3		91.2W	S		z		131151		80	22	က
80	100	USA-ID	AMER FALLS RESLAVA FLS	43.0N 1	113.0W 4	44.8N 1	112.2W	25 .0	250	z	19910429	143647	14	91	22	20

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

																ĺ
ㅠ	F	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON		NADIR LAT LON		ככ דר	FLE	S DATE	<u>π</u>	GMT	٩٢	AZ SUN EL		S.
151	240	USA-ID	SMITH PK., KOOTENAY L.	49.0N 11	115.0W 48	48.7N 116.	3 8	≩	250 N	N 19910502	•	141529	141	73		68
602	48	USA-ID	SNAKE RIVER VALLEY		114.5W 40	40.0N 118	.8	65 LO	100 N	N 19910429		143500	139	85		19
209	49	USA-ID	RIV		114.0W 40		118.8W (65 LO	100 N	Y 19910429		143500	139	85		19
604	35	USA-ID	BEND OREILLE LAKE		116.5W 46	46.7N 116	116.7W	15 NV	250 N	N 19910501		142300	136	86		51
610	7	USA-ID	SNAKE RIVER, LEWISTON	46.5N 11	117.0W 42	42.7N 119	. 2W	07 0	250 N	Y 19910430		142900	137	85		35
610	∞	USA-ID	SALMON RIVER MTNS.		45	45.4N 115	115.3W	5 NV	250 N	N 19910430		143000	137	88		35
73	0 A	USA-KS	COFFEYVILLE, VERDIGRIS R	37.0N 9	95.5W 36.	96	™ 0.	≩	250 N	Y 19910428		131029	143	85	18	e
73		USA-KS	, KS-OK BORDR	37.0N	95.5W 36	36.8N 95	₩9.	N 0	250 N	Y 19910428		131033	143	85	18	ب
73	7	USA-KS	AR KS-OK BOR.		3.	95	¥.	≥	250 N	Y 19910428	_	31035	143	98		က
73	က	USA-KS	PARSONS		.0W 37	.0N 95	3W.	2	250 N	Y 19910	910428 1	131037	143	98	18	က
-,	•	34-83	Cavary-Janastrio	2	70 MO 30	30	ã	À	25.0	10010420		121043	4.4.3	9	ā	
? ;	,	54-K50				2 2		2		01661		24040	2 .	2 0	2 6	, ,
2 5	<u>م</u>	USA-KS	PORT SCULL-PILISBURG	Z 2	15 MG 150	N	38 T	≥ 9		Y 19910428		131045	143	200	2 4	, ,
۲ :	р Э	USA-KS	LUUUS		3	56 N7.	3 :	2 9			-	10043	741	007		٠.
209	4	USA-KS	R., KANSAS CITY	NO.	₹	5N 98	. 2W	오				125900	13/	20		4 .
607	46	USA-KS	÷	S	₹.	5N 98	. 2W	오	100 N			125900	137	83		34
86	-	USA-LA	AREA AROUND SHREVEPORT	2.3N	3€.	9N 93	3	2				205546	140	253		24
83	32	USA-LA	SHREVEPORT, RED RIVER	32.6N 9	93.6W 34	.3N 94	₩.	30 LO	250 N	N 19910429		205514	141	251		24
88	33	USA-LA	DARK, CLOUDY FRAME		32.	2N 9	MG.	2	250 N	N 19910429		205554	140	255		24
83	34	USA-LA	CENTRAL LA, RED RIVER	32.0N 9	93.0W 31.	.9N 92	. 2W	2	250 N	N 19910429	_	205600	140	255		24
93	10	USA-LA	VERY CLOUDY		32	.7N 94	3 1.	95 LO	250 N	N 19910	910505 1	184510	144	181	66 1	19
6	Ξ	- W- W- I	×010		33	, E	3	90	M 030	1001050K		101512	144	101	67.1	
6	; ;	מאר במו	CLOUD!	;	;		B :	2 .		٠,		2121		100		2 .
3	71	USA-LA	בר בר	31.2N 9	93.2W 32	Z ;	3 (3 :				184516	144	791		611
56	13	USA-LA	⊋ .		31.			2 :	N 097			184535	143			119
<u>د</u>	53	USA-LA	CLOUDY		31	Z.	3	2				184535	143			119
95	30	USA-LA	CLDY, MI		59			2	100 N	N 19910505		184606	143			119
92	31	USA-LA	CLDY, MISS.		59	29.3N 91		2	100	19910505		184609	143			119
95	32	USA-LA	R DELTA		89.0W 28	28.8N 90	90.7W	30 LO	100	N 19910505		184619	143	193	70 1	119
75	31	USA-MA	CAPE COD	42.0N 7	70.0W 38	38.7N 72	3₩	20 10	250 N	N 19910428		193035	142	247	46	7
83	85	USA-MD	В	38.0N 7	76.0W 38.	.5N 76.	3	N 09	250 N	N 19910	0429 1	192417	141	242	20	23
83	98	USA-MD	DELMAR PEN, CHESAPEAKE BY	37.6N 7	75.8W 38	.0N 75	₩9.	20 NV	250 N	N 19910	0429 19	92426	141	243		23
83	87	USA-MD	DELMAR PEN. CHESAPEAKE BY	37.0N 7	76.0W 37	37.7N 75	3	10 10	250 N	N 19910429		192433	141	244	20	23
7.3	3.5	IN-A-III	T VAPOR TRATI				7	2				121236	1 4 4			~
2 2	9 6	13-4SI	TVAPOR		45			2 -		4		131345	144			. ~
	3 2	11.00 I	ADOMY T		45			2 -	: 2	٠.		21212	7 7 7			۰ ،
2 4	; ·	TE - C70	1000	ā	7			3 9	2 (0 1 0 1 0				2 6
6 6	† (TE-400	MONO, NONOW		3 :		≱ :	2 9	> (٦,	٠,	008071	147			2 .
g ;	۰ م	TE-VAC	HUKUN, SNOW	S	₹			€ :	>	N 19910430	~	3001/	143			5
82	- ;	IM-AU	NE AREA, L. HURON, SNOW	45.5N 8	3.0M				0 :	-	• •	130039				35
06	121	USA-MI			44		3	0	Z	_		192201				23
96	75	USA-MI	9		41	8 . 8 .	•			N 19910503		110506	142	ო ,		82
96	9/	USA-MI	FRAME 100 DARK		42	. 1N 85	.6W	2	250 N	N 19910503	1	110513	143	63 -	-15	22

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ā	2	CEOCONOLITO NAME	FRATIDE	CENTER		NADIR	<u>ا</u> د	-	٥	DATE	FAS	=	NOS 28		9
2	2		8	2			리 3	- 1	7 =	100406	4 105 30	1	I۰	ł	500
9 9	2 6	IM-ACI	3 5		42.8N	M/. 40	3 5	2002	2 2	19910503	870011	243		* *	70
0 0	χο ;	TE-400	3 ;		NB . 74		3 :		2 :	COCOTE	000011	140			<u>, , , , , , , , , , , , , , , , , , , </u>
98	5	CVA-MI	3		43.UA		3	_	z	50001661	110533	143			7
96	80	USA-MI			43.1N		2	_	z	19910503	110536	143			2
96	81	USA-MI	5		43.2N		2	250 N	Z	19910503	110538	143			~
96	82	USA-MI	FRAME TOO DARK		43.9N	83.1W	2	250 N	z	9910503	110552	143			2
96	83	USA-MI	FRAME TOO DARK		44.0N	82.9W	2	250 N	2	9910503	110555	143	64 -	-12	82
96	84	USA-MI	TOO DARK, PORT HURON AREA	43.0N	82.5W 44.3N	82.5W	20 LO	250 N	z	19910503	110602	143		-12	2
96	85	USA-MI	DARK	42.5N	82.8W 44.4N	82.3W	0 0	250 N	z	19910503	110604	143	64 -	-12	82
96	86	USA-MI	TOO DARK, DETROIT AREA	42.2N	82.6W 44.6N	82.0W	0 0	250 N	2	9910503	110609	143	- 49	-11-	82
151	82	USA-MI	L. FRIE		84.0W 39.3N	78.11	55 HO	250 N	Z	9910430	112840	142	80	11	34
151	9 1	13. VSI	A MICH LEDIE	A 2 ON	3	6		_	2	10010430	130038	143		α	35
151	110	12-47E	TO SACTINAL RAY						: 2	9910430	130158	143			2 40
209	47	USA-MI	LAKES HURON, MICHIGAN						· ~	9910430	130100	137			34
607	8	USA-MI	LAKES HURON, MICHIGAN				60 HO		2	19910430	130100	137			4
604	18	USA-MN	AGRIC						z	19910501	125300	136			0
604	19	USA-MN	⋖		45.5N	WE: 36	100 LO		2	9910501	125300	136	85		0
73	9	USA-MO	PORT SCOTT-NEVADA	38.0N	94.5W 37.7N	94.7W	15 NV	250 N	>	19910428	131050	143	98	13	د
73	1	USA-MO	RICH HILL-BUTLER		94.0W 37.9N	94.4W	20 NV	250 N	>	19910428	131054	143	98	19	က
73	80	USA-MO	APPLETON-BUTLER		94.0W 38.0N	94.3W	40 NV	250 N	Υ 1	9910428	131057	143	87	19	65
7.3	c	Q4 - 401	SCHOLD SATISTANDE	30 EN	110 BE MO FO	70	76 MV	250 N		86701001	131102	143	7.8	9	~
- 2	n C	0 N - 40 I		200				250 2	- >	19910428	131105	143		2 5	, ~
	2:	OE 400	ONG-WILLERAN	20.00	8 3 9 4				- >	19910420	121100	2 5		2 6	, .
2 2	11	OE - 400	MAILEMAN AFB-LEGGES	20.00	93.0% 36.0%	90.0W) N	250 1	- >	9910460	131119			2 6	י כי
	7 6	ON- 601	OLIDS-HA7F						- >	19910428	121125			2 5	, ~
	7	OH 401	WEB-HATE-CLONDS						- >	19910428	131127	144		2 5	
7.3	4 4	000 CO			3				- >	9910428	131130	144		: :	· ~
73	16	USA-MO	NEAR FOWER-CLOUDS-HAZE						·	9910428	131132	144		21	. e
73	17	USA-MO	NEAR MO-IL BORDER-HAZE		ന	-			7		131135	144		21	<u>س</u>
73	18	USA-MO			.0M				>		131137	144		21	က
73	9	OM - 431	CONTRACTOR OF STREET	4	M 40 98	01	30	4 036	>	1001001	131143	777	ā		
2 0	ה כו	0E- V20	: 5						- 2	071016	711701	•		•	,
0 &	9 5	0 E - 400	I MANIOCAEL I		71.0W										
8 8	2 6	00 TO TO TO TO TO TO TO TO TO TO TO TO TO	CAPE COD		MO . C.										
81	32	USA-MT	MTNS. SNOW CAPPED, LOW SUN		46.4N	110.7W			z	19910505	122619	146	62	-7 1	115
81	33	USA-MT	CAPPED, LOW		47.3N				Z		122641	46		-5.1	115
85	13	USA-MT	-		111.3W 46.8N	112.9W			z		143038	143			36
151	165	USA-MT	FLATHEAD LAKE						N 199		204333				40
604	36	USA-MT		. 5N	3	112		250 N	N 199	19910501	142400	136			51
610	6	USA-MT	MARIAS RIVER	48.5N 1	111.0W 45.4N	115.3W	0 N	250 N	N 19	19910430	143000	137	88	19	5

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

- -	3	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	NADIR LAT LON	و ام	CC TL	<u>ل</u> 1	S DATE	GMT	AŁ	AZ SUN	ں الا_	<u>~</u>
610	2	USA-MT	MARIAS RIV., LK. ELWELL	48.5N 111.5W	47.8N	110.9W	5 NV	250 N	Y 19910430	143100	137	ı	23	55
610	11	USA-MT	BEAR PAW MTNS.	48.5N 109.5W	47.8N	110.9W	10 NV	250 N	N 19910430	143100	7		23	35
610	12	USA-MT	MOUNTAINS/SNOW COVER	47.0N 110.5W	47.8N	110.9W	25 LO	250 N	N 19910430	143100	137		-	35
610	13	USA-MT		47.0N 105.0W	47.8N	110.9W			-	143100				35
610	14	USA-MT	LAKE ELWELL	48.5N 111.0W	50.1N	106.1W		250 N	N 19910430	143200	137			35
83	83	USA-NC	OUTER BANKS, ALBEM. SOUND	36.0N 76.0W	36.6N	74.0W	20 LO		N 19910429	192456	141			23
83	90	USA-NC	OUTER BANKS, C. HATTERAS	35.3N 75.8W	36.3N	73.7W	15 LO	250 N	N 19910429	192501	141			23
83	91	USA-NC	CURRENT BOUND, C. HATTERAS	35.0N 75.5W	35.9N	73.3W	5 LO	250 N	N 19910429	192510	141			23
83	95	USA-NC	CURRENT BOUND, C. HATTERAS	34.9N 75.9W	35.7N	73.1W	20 LO		N 19910429	192513	141	248		23
83	93	USA-NC	CURRENT BOUND, C. HATTERAS	35.0N 75.5W	35.6N	73.0W	15 LO	250 N	N 19910429	192516	141	248	49	53
151	39	USA-NC	C. HATTERAS, PAMILCO S.	35.5N 75.0W	35.2N	72.6W	55 HO	250 N		192521	141			23
151	224A	USA-ND	CLOUDS S.D./N.D. BORDER	46.5N 98.0W	46.2N	98.7W	60 NV	250 N	N 19910502	124501	141	72	~	37
604	15	USA-NE	NORTH PLATTE RIVER	41.5N 104.0W	40.1N 1	103.8W	15 LO	250 N	N 19910501	125100	136	78	6	50
607	45	USA-NE	MISSOURI R., KANSAS CITY	40.0N 95.5W	41.5N	98.2W			N 19910430	125900	137	83		34
7.2	70	USA-NJ	NEWARK, NEW YORK CITY		-			250 N	z					
72	76	USA-NM	_						:	1				
06	21	USA-NM	CARLSBAD AREA, DARK FRAME	3N 104	32.6N	103.8W				130253	142	79	თ	61
6	22	USA-NM	ME,OIL FIELE	33.0N 104.	32.9N	103.5W			-	130259	142			19
95	70	USA-NM	PANORAMA, N. M., WHITE SAND	32.8N 106	25.9N	111.2W	10 HO	100 N	N 19910505	201654	143			120
96	65	USA-NM	WHITE SANDS AREA	32.8N 106.0W	33.2N	104.7W	.0 LO	250 N	N 19910502	203214	138	199		72
96	99	MN-ASI	WHITE SANDS ABEA	32.7N 106.4W	33,1N	104.6W	0 1 0	250 N	N 19910502	203217	138	199		72
	67	IISA-NM	I AC CRITEC AREA		32 AN			250 N	-	203223	138		9	- 22
15.5	160	NA-MI			27 ON				9 6	204652	140			
75	801	V60	TN-541	116	38.8K		3 0	250 N	N 19910428	2224036	142		2 4	
75	2 9)	AKF		37.6N	116.6W			9 6	223011	142			
08	96	N-48U	BLACK ROCK DESERT	119	37.9N		07 0	250 N	6.00	143417	143		4	20
80	97	USA-NV	BASIN RANGE-MOUNTAINS	116.	38.8N	120.3W			91042	143435	143			02
87	36	USA-NV	L. WALKER, HAWTHORNE	8.7N 118.	38.2N	116.8W			1991042	144047	143			4
87	37	USA-NV	₫	39.4N 118.7W	38.6N	116.4W	0 0	250 N	N 19910428	144054	143	87	19	4
87	38	USA-NV	SMOKY VAL, TOIYABE RA.	39.4N 116.8W	39.6N	115.1W	0 F0	250 N	N 19910428	144116	144		21	4
9.4	6	USA-NV	PYRAMID LAKE	40.0N 119.5W	40.6N	120.9W	07 0	250 N	N 19910504	201714	146		55 10	4.
94		USA-NV	LAKE TAHOE, SIERRA NEVADA	39.0N 120.0W	40.3N	120.5W		250 N	N 19910504	201724	146			104
94	7	USA-NV	LAKE TAHOE, SIERRA NEVADA	39.0N 120.0W	40.0N	120.1W		250 N	N 19910504	201730	146	162		104
94	က	USA-NV	MONO LAKE AREA		39.2N				N 19910504	201747	145			104
94	4	USA-NV	MONO LAKE AREA	38.0N 119.0W	38.7N	118.6W		_	N 19910504	201756	145			104
94	S	USA-NV			38.4N	118.3W	2		199	201802	145			104
94	9	USA-NV	Ä		38.2N	118.0₩	2	_	N 19910504	201807	145	166	7	104
94	_	USA-NV		6.5N	38.0N	117.8W	9		1991050	201812	145			4
94	œ (USA-NV	SAREA	.0N 115.	37.4N	∹ ,	0 0	250 N	1050	201824	145	168	58 10	7 :
209	38	USA-NV	SIERRA NEVADA, MUNU LK.	38.5N 119.0W	3/.1N 12	7. JW	3	_ [N 19910429	143400	139	82	-	<u>.</u>

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

L					MANTO					1	
R	FR	GEOGRAPHIC NAME	FEATURE	LAT LON L	LAT	CC TL FL E S	DATE	GMT AL	AZ .	SUR EL	OR
209	39	USA-NV	SIERRA NEVADA, GR. BASIN	37.5N 117.0W	.1N 122.1W	HO 100 N	19910429	143400 139		2 14	19
602	46	USA-NV	MONO AND WALKER LAKES	118.5W	37.1N 122.1W		19910429	143400 139		2 14	19
209	47	USA-NV	ൗ	117.5W	40.0N 118.8W	오	19910429		9 85		19
88	51	USA-NY	BUFFALO, NIAGARA FALLS	₩0.67		NV 250 U					
88	25	USA-NY	×	43.0N 77.0W		NV 250 U					
88	53	USA - NY	NEW YORK CITY AREA			NV 250 U					
88	54	USA-NY				LO 250 U					
88	55	USA-NY	_			250 U					
88	57	USA-NY	LONG ISLAND			NV 250 U					
88	58	USA-NY	LONG ISLAND	_		NV 250 U					
						;					
£	6 6	USA-NY	LONG ISLAND, BROOKLYN	/3.5W		2					
95	თ	USA-NY		MO.67 NO.	84	LO 100 N	19910505	171121 146			118
98	16	USA-OH	AREA NEAR ASHTABULA	42.0N 81.0W 39.	39.6N 78.6W	LO 100 N	19910505	171304 145	_		118
96	8 7	USA-OH	PANORAMA, LK. ERIE AREA	46	46.0N 79.8W	30 HO 250 N N	19910503	110641 143	13 65	6- 9	82
96	88	USA-OH	PANORAMA, LK. ERIE AREA	46	.8N 78.3W	40 HO 250 N N	19910503	110701 144	4 65	8-	82
96	83	USA-OH	PANORAMA, LK. ERIE AREA	47.	47.3N 77.5W	40 HO 250 N N	19910503	110713 144	14 65	5 -7	82
96	90	USA-0H	LK.ERIE	47	47.3N 77.4W	250 N	19910503	110714 144	14 65	2 - 7	82
96	91	USA-0H	LK.ERIE	47.	5N 77.0W	250 N	19910503	110719 144		5 -7	82
151	160	USA-0H	L. ERIE, CLEVELAND	41.5N 82.0W 39.	.7N 81.4W	10 LO 250 U Y	19910430	191644 14	41 227		39
151	161	USA-0H	COLUMBUS	.5N 83.0W 39	1N 80	707	19910430	-		3 55	39
151	162	USA-OH	PORTSMOUTH, OHIO RIVER	39.0N 83.0W 38.	8N 80.4W	LO 250 U	19910430	191701 141	11 230		39
75	99	USA-OK	CIMARRON RS. WINDOW	37.0N 99.0W 38.	.9N 95.3W	LO 250 N	19910428	210008 142	12 246	3 46	80
75	67	USA-OK	CANADIAN RIVER	.66 NO	ON 94.3W	2	19910428	210026 142			80
82	58	USA-OK	OKLAHOMA CITY, CANADIAN R	3€	35.2N 99.3W	LO 250 N	19910430	204752 140	10 239	54	40
85	30	USA-OK			7N 98.8W	5 LO 250 N Y	19910430	204801 140	10 240		40
98	0 6	USA-OK	EUFAULA RESERVOIR		3N 95.	LO 250 N	19910429	205453 141	11 248	3 49	24
93	7	USA-OK	GREAT SALT PLAINS RESERV	37.0N 98.0W 37.6N	M0.66 N9	50 NV 250 N N	19910505	184332 144	4 167	7 62	119
93	က	USA-OK	AREA AROUND ENID	.5N 97.	WE.86 NO	30 NV 250 N N	19910505	184344 144			119
93	4	USA-OK	AREA N-NE OK CITY	36.3N 97.2W 36.	6 N9	40 NV 250 N N	19910505	184351 144			119
93	၃	USA-OK	AREA NE OF OK CITY	35.8N 97.0W 36.	MS.76 NI.	40 LO 250 N N	19910505	184401 14	171	63	119
93	9	USA-0K	AREA AROUND SHAWNEE	35.2N 96.3W 35.	M6.96 N9	70 NV 250 N N	19910505	184411 144	14 172	64	119
93	7	USA-0K	AREA AROUND MCALESTER	.8N 96.2W	96	⋛	19910505	184424 144		1 64	119
93	œ	USA-0K	SE OK, VERY CLOUDY			LO 250 N	19910505				119
93	6	USA-OK	SE OK, VERY CLOUDY	33.		2	19910505				119
98	24	USA-OK	OKLAHOMA CITY AREA	35.5N 97.5W 37.		LO 100 N	19910505	184330 144	4 168		119
98	52	USA-OK	STILLWATER AREA	WO.76 NO.	.8N 98.2W	20 LO 100 N N	19910505	184342 14	4 169		119
95	56	USA-OK	LAKE TEXOMA AREA, RED R.	97.0W	35.3N 96.6W	z	19910505	184413 144			119
151	170	USA-OK	w	. 5N	MZ 66 N9	0 NV 250 N N	19910430	204739 140	10 238	3 54	40
7.5	103	USA-OR	, CRATER	8 0.		707					
7.2	104	USA-0R	CASCADES, CRATER LAKE	43.0N 122.0W		15 LO 250 N Y					

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

ē	E	CEOCOADUTC NAME	E E A TUDE	CENTER		NADIR	۲	1	<u> </u>	DATE	Į Į	ā	8,4	SUN	80
۽ اُڇ	=	USA-OB	COOSE CONTRAT!	42 08 120	3	121 2W	3 5	10 250	4 Z	19910430	142832	142	4	4	36
610		USA-OR	. A	2 2	0 4 4 2 4 2 4 4 2 4 4 4 4 4 4 4 4 4 4 4				: z	19910430	142900		85		35
610	ı m	USA-OR	ASIN	:	42	119.	S -		z	19910430			85		35
06	122	USA-PA	VERY CLOUDY, HAZY		41.1N	79.			z	19910429		~			23
95	10	USA-PA		42.0N 80	0.0W 44.2N	84.7W		LO 100	z	19910505	17112	4 146			118
95	11	USA-PA	LK ERIE, ERIE, PA., OHIO	NO.	80.5W 44.1N	∞			z	19910505		•		S	118
95	12	USA-PA	LK ERIE, ERIE, PA.		80.0W 43.6N	∞			Z	10					118
95	13	USA-PA	_	NO.	43.	83.			Z	19910505				သ	118
95	17	USA-PA	HALF	2.0N	.0W 39.	78.			z	19910505	17131	14	16	Ġ	
151	202	USA-SC	CHARLESTON, L. MOOLTRIE	33.5N 80	0.0W 34.1N	1 79.2W	30 L	LO 250		19910501	19105	5 139	225	58	22
151	203	USA-SC	CHARLESTON, HUNTING IS.	32.5N 80.	5W 33.	W 7.8.7W		LO 250	z	19910501	1				55
151	204	USA-SC			80.0W 33.3N	1 78.5W	5 L	LO 250	Z	19910501	191109			58	55
151	205	USA-SC		33.0N 80	33.				N N	19910501	_		7		99
151	222A	USA-SD	OAHE RES., MISSOURI R.	. NO.	44.				Z	19910502					67
151	223	USA-SD	NEAR	S.	45.	100			z	19910502			71		67
151	223A	USA-SD	ABERDEEN	. 5N	0₩ 45.	100			Z	19910502				7	67
151	224	USA-SD	CLOUDS S.D./N.D. BORDER	46.0N 98.	2€	M1 . 66 I			Z	19910502		14			67
604	16	USA-SD	RIVER, L.	S.	5W 42.	100			z	O	1252	13	81	7	20
604	17	USA-SD	_	NO.	•	100.1W		7	Z	19910501	125200	0 136	81	13	20
72	74	USA-TX	PALO DURO CANYON	34.0N 101	OW		33	HO 250	Z						
7.5	64	USA-TX	OF RED	34.5N	101.0W 40.0N	W6.96		HO 250	Z	19910428	205946			47	∞
75	65	USA-TX	PRAIRIE DT FORK OF RED R	34.5N	101.0W 39.2N	M9.36	30 H	HO 250	z	19910428	210002	2 142	246	46	œ
88	31	USA-TX	FT.WORTH-ARLINGTON	32.7N 97	.3W 33.				2	19910430	20482	-		သ	40
82	32	USA-TX		32.8N 96	36.	97.			z	19910430		13		S	40
85	33	USA-TX		NO.		96			×	19910430			245		40
85	34	USA-TX	. :		.4W 32	96			z	19910430				ß	40
82	35	USA-TX	$\overline{}$	8 0.	.4W 31.	95.			Z	19910430		13		2	40
82	36	USA-TX	CLEAR LA	9. 7N	.4W 31.	95.			Z	19910430	20491		248	သ	40
82	37	USA-TX	_	9.6N	.1W 30.	94.	15 N		Z	910	20493	٠.		25	40
82	38	USA-TX	SE.HOUSTON, CLEAR LAKE	29.6N 95	5.1W 29.8N	94.4W		NV 250	z	19910430	204936	6 139	251	လ	4
85	33	USA-TX	GALVESTON BAY, CLEAR LAKE	29.5N	95.0W 29.6N	94.		NV 250	z	19910430				52	40
82	40	USA-TX	HOUSTON, CLEAR LAKE	NG . 6	29.	93			> : 2 :	19910430			252		40
68 —	31	USA-TX	TEXARKANA, REC RIVER	2	34.	94			Z	19910429					24
06	23	USA-TX		34.0N	33	102.	0		2	19910429			8		13
06	24	USA-TX	DARK FRAME, AMARILLO AREA	35.2N	35	101.			2	19910429					13
06 	52	USA-TX	FRA	Š.	36	100			Z	19910429	_			13	13
06	56	USA-TX	DARK FRAME, TX-OK BORDER	7. ON	36	66			z	19910429	13041	· ·			13
95	27	USA-TX	KONI AREA	2 · 9N	34	95			z :	19910505	18443	<u> </u>			119
92	28	USA-TX	EDO 81	1.3N	7W 31	93.			2 :	19910505	18452	m		67	119
95	8	USA-IX	EL PASO AKEA	31. /N 1Ub	5.5W 32.4N	104.0W	5	720	2	19910502	20322	138	501	2	2

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER		ATE						NIC	2	ſ
ہ	FR	GEOGRAPHIC NAME	FEATURE	LAT		LAT LON	CC TL F	FLES	DATE	GMT	AL	AZ	EL	OR
96	69	USA-TX	GUADALUPE MTNS AREA	31.8N 104.	9W 32.	103.8W	70	2			4 138	202	09	72
151	171	USA-TX	WICHITA FALLS, RED RIVER	34.0N 98	8.5W 34.5N	₩9.86	10 10 2	250 N Y	19910430	0 204800	140	240	54	40
151	172	USA-TX	DALLAS-FORT WORTH AREA	32.5N 97	7.0W 33.2N	97.3W	≩	250 N N	19910430	0 204827	7 139	244	53	40
151	173	USA-TX	CORSICANA, RICHLAND RES.	32.0N 96	96.0W 32.2N	96.4W	15 LO 2	250 N N	19910430	0 204845	5 139	246	53	40
151	174	USA-TX	HOUSTON-GALVESTON AREA	NO.	95.5W 31.0N	95.3W	2	250 N N	19910430	0 204909	3 139	248	53	40
151	175	USA-TX	HOUSTON-GALVESTON AREA	2S.	.5W 30				19910430	0 204920	139	250	52	40
151	176	USA-TX	ALVESTON	. 5N		94.0W	5 L0 2	250 N Y	19910430	0 204938	3 139	252	52	40
151	177	USA-TX	PORT ARTH	2	.0W 29.	93.7W			19910430	0 204947		253	52	40
612	7	USA-TX		NO	.0W 32.	92.5W	OH 0		19910429			255	48	23
612	٣	USA-TX	R TEXAS	₩0.	.0W 29.		5 H3	100 N N	1991042	9 205700		261	46	23
612	4	USA-TX	UPPER TEXAS		.0W 29.	₩8.68	오		19910429			261	46	23
612	က	USA-TX	OBL. UPPER TEXAS COAST	₹.	.0W 29.	M8.8M	오	100 N N	19910429			261	46	23
75	29	USA-UT	GREAT SALT LAKE	41.0N 112	2.0W 45.2N	•	오	z	-			230	49	∞
75	9	USA-UT	GREAT SALT LAKE		44.6N	102.9W	오	250 N Y	19910428	8 205804	1 143	232	49	
75	61	USA-UT	GREAT SALT LAKE		44.3N	102.4W	60 HO 2	250 N Y	19910428	8 205811	1 143	233	49	&
7.5	96	USA-UT	LAKE POWELL-GRAND CANYON	37.0N 111	30.	114.6W	2		19910428		3 141	252	45	6
7.5	97	USA-UT	LAKE POWELL-GRAND CANYON	37.5N 111	1.0W 35.0N	113.8W	20 L0 2	250 N Y	19910428	8 223104	1 141	254	44	6
83	88	USA-VA	NE COAST, (HALF PICTURE)	36.9N 76	5.2W 37.4N	74.914	0 10 2	250 N N	19910429	9 192438	3 141	244	20	23
06	123	USA -VA	FRAME		38.6N	76.2W	20 LO 2		19910429	9 192411	141	242	20	23
06	124	USA-VA	-				2		1991042	_	·-	242	90	23
151	38A	USA-VA	DELMARVA PEN., NORFOLK	37.5N 76	.0W 37.	74.7W	2		19910429	9 192441		245	20	23
151	200	USA-VA	APPALACHIAN MTNS.	37.0N 81	1.0W 36.8N	81.9W	60 NV 2	250 N N	19910501	1 191001	1 139	217	28	55
151	201	USA-VA	ROANOKE, SMITH MTN. RES.	37.0N 80	0.0W 35.2N	80.3W	40 LO 2	250 N N	19910501	1 191032	2 139	222	58	55
88	12	USA-WA	SNAKE R, PALOUSE AREA	46.5N 117	7.0W 43.7N	117.9W	10 LO 2		19910430	0 142926	3 142	84	15	36
96	61	USA-WA	BELLINGHAM AREA	48.7N 122	2.5W 47.9N	123.9W	5 LO 1	100 N N	19910502	2 202657	7 141	152	47	72
96	62	USA-WA	SEATTLE, TACOMA AREA	47.3N 122	.2W 47.	123.4W	2	2	1991		3 141	153	48	72
96	63	USA-WA	EVERETT AREA	48.0N 122	2.0W 47.5N	123.1W	2	100 N N	19910502	2 202707	7 141	153	48	72
151	238	USA-WA	MOUNT ADAMS, COLUMBIA R.	46.0N 121	1.0W 46.9N	120.2W	5 NV 2	250 N N	19910502	2 141445	5 141	72	7	88
151	239	USA-WA	YAKIMA	46.0N 120	0.5W 47.1N	119.9W	≩	250 N N	19910502			72	7	- 89
604	33	USA-WA	COLUMBIA PLATEAU	47.5N 119	9.5W 44.2N	120.9W	≥	250 N N	1991050	1 142200	136	83	14	51
604	34	AW-ASU	COLUMBIA, SNAKE RIVERS	46.0N 119	9.0W 44.2N	120.9W	0 NV 2	250 N N	19910501	1 142200	136	83	14	51
610	4	USA-WA	٩	8	0W 42.	119	2	_	19910430			82	16	35
610	9	USA-WA	SNAKE RIVERS			119	9					85	16	35
610	9	USA-WA	ER.	.5×	3	119.2W	97	_	19910430			85	16	35
73	23	USA-WI	MILWAUKEE-VERY HAZY	N 0.	3	88.6W	≩		-	_		92	24	က
73	24	USA-WI	MILWAUKEE-VERY HAZY	43.0N 88	8.0W 42.7N	88.5W	90 NV 2	250 N Y	19910428	8 131236	3 144	93	24	က
73	25	USA-WI	MILWAUKEE-VERY HAZY		.0W 42	88.3W	⋛	250 N Y		_	3 144	93	24	က
73	56	USA-WI	L.MICHIGAN-MILWAUKEE-HZY	43.5N 87	.5W 43		≩	250 N Y	19910428	_	3 144	93	24	ო
73	27	USA-WI	L.MICHIGAN-SHEBOYGAN-HZY	43.5N 87	.5W 43.	7	2 N	250 N Y	19910428	_	5 144	93	24	ب
73	28	USA-WI	L.MICHIGAN-SHEBOYGAN-HZY	44.0N 87	7.0W 43.3N	87.7W	95 LO 2	250 N Y	19910428	8 131249	3 144	93	24	6

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER	NADIR	IR		'	,				SUN	اء	{
اي	۲	GEOGRAPHIC NAME		LAT LON	- 1	LON	3		2	- 1	E S	AL.	A.	ᆲ	š
32	0		Œ			M9.66		5.50	z		125837	142	6		32
35	18	USA-WY	RIVERTON AREA	43.3N 108.3W		109.9W		100	z	19910505	184029	146	147		119
32	19	USA-WY	S.BIG HORN MTNS.	44.0N 107.0W		108.1W		100	z	9910505	184055	146	150	က	119
36	20	USA-WY	S.BIG HORN MTNS.	43.5N 107.0W		107.8W		100	z	19910505	184059	146	150		119
98	21	USA-WY	AREA NEAR CASPER, VRYCLDY		42.9N	105.6W	80 LO	100	z	19910505	184134	145	154	55	119
36	36	USSR	MTNS, WEST OF IRKUTSK	52.1N 102.5E		102.3E	0 0	250	Z	19910430	010648	144	103	53	27
9 8	37	USSR	MID. PART LAKE BAYKAL, ICE	.2N 107	E 53.0N	106.5E	70 LO	250	z	19910430	010733	144	108	31	27
9 8	38	USSR	LAKE	53.8N	53.	108.2E	40 LO		z	19910430	010751	144	110	32	27
93	57	USSR	NO ID		49.0N	72.2E	30 HO	250	Z	19910506	002452	147	64	-2	123
93	58	USSR	VRY HAZY,NO ID FEATURES		49.2N	72.6E	30 HO	250 N	z	19910506	002457	147	64	7	123
6	59	USSR	VRY HAZY,NO ID FEATURES		49.6N	73.4E	20 HO	250	z	19910506	002507	147	99	-	123
69	9	USSR	2		49.7N	73.7E	20 HO	250 N	z	19910506	002511	147	65	7	123
46	24	USSR	NS		55.8N	93.7E		250	z	19910505	003355		7.8	10	107
94	52	USSR	SAYAN MTNS., SNOW COVERED		96.0N	100.0E		250 N	z	19910505	003407	148	78		107
151	ဖ	USSR	LOWER VOLGA, VOLGOGRAD			40.1E		90	z	19910429	102149		205	51	11
151	7	USSR	VER DELTA	45.5N 49.0E		46.3E		06	z	19910429	102305		216	51	11
151	&	USSR	ARAL SEA, UST-URT PLAT.			52.0E		06	Z	19910429	102424		227	51	17
151	42	USSR		.5N 22.	57.	21.7E		250	z	9910430	083939		139	42	32
151	43	USSR		46.5N 75.5	5E 46.3N	68.3E		25)	Z	9910430	084727		213	53	32
603	33	USSR	THUNDERSTORMS, V. DARK		42.1N	44.4E	75 NV	250 0	2	9910502	100300	135	212	90	64
11	22	USSR-EUROPEAN	SIMFEROPOL-BLACK SEA	34.	4	35.7E	5 LO			19910428	120045		237	47	~
7.1	23	USSR-EUROPEAN	SIVASH LAKE-SEA OF AZOV	45.5N 34.5E		35.8E		250 N	>-	19910428	120047	131	238	47	7
7.	24	USSR-EUROPEAN	SEVASTOPOL-BLACK SEA	44.5N 34.0E	E 43.1N	36.0E		250	z	19910428	120050		238	47	~
7.1	52	USSR-EUROPEAN	LAKE SIVASH-KIROVSKOYE						>	19910428	120055		239	47	~
7.	56	USSR-EUROPEAN	\sim	45.0N 35.5E		36.9E		250	7	9910428	120105	131	240	47	7
72	35	USSR-EUROPEAN	Z		ı <u>ı</u> ı			250							
7.5	36	USSR-EUROPEAN	_	4	ښ			52 0							
7.5	37	USSR-EUROPEAN	_	5N 43	Ψ.			250							
72	38	USSR-EUROPEAN	VOLGA R., ZELENODOLSK	49	<u>u</u>		2	7							
22	36	USSR-EUROPEAN	VOLGA R., KUYBYSHEV RES.	55.0N 49.0E	m		0	250							
7.5	82	USSR-EUROPEAN	COASTLINE, CASPIAN SEA	45.0N 47.0E	E 43.3N	44.8E	0 0	250 N	۲ 19	19910429	040855	144	91	22	13
7.	83	USSR-EUROPEAN	CASPIAN	SN	E 44.0N	45.8E	07 0	250 N	>	19910429	040910	144	95	23	13
7.	84	USSR-EUROPEAN	COAST-CASPIAN SEA-OLYA	45.5N 47.5E	E 44.7N	46.9E	0 N	250	>	19910429	040926	144	93	24	13
75	85	USSR-EUROPEAN	ASTRAKIIAN-VOLGA RIVER	2 2 2		47.3E		250	>	19910429	040933	144	63	24	13
73	86	USSR-EUROPEAN	VOLGA RIVER DELTA	2 S		47.9E		250	>	19910429	040941	144	94	24	13
73	87	USSR-EUROPEAN	VER DELT			48.5E		250	>		040950		95	25	13
73	100	USSR-EUROPEAN	SK-VOLGA			47.4E			>		054339	145	119	36	14
73	101	USSR-EUROPEAN	UL'YANOVSK-VOLGA RIVER			48.3E		250	>		054348	145	121	36	14
7.3	102	USSR-EUROPEAN	VOLGA RIVER	57.0N 54.0E	E 55.8N	54.0E	2 - 0	250 N	z 2	19910429	054441	145	128	8 .	4 .
2	5	USSA - EUNOTE NIV	NALININGRAD	. ON 2.0	3		- 1	2007	-	- 1	o I	2	21	5	2

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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58 USSR-EUROPEAN VYATKA RIVER-URZHUM 57.0N 60.0E 69 USSR-EUROPEAN VYATKA RIVER-SAAPULM 57.0N 60.0E 60 USSR-EUROPEAN KAMA RIVER-KAABARKA 56.0N 54.0E 61 USSR-EUROPEAN LAKE-KARMANOVO 56.5N 56.5N 56.5N 63 USSR-EUROPEAN UFA RIVER-RESERVOIR 56.5N 48.0E 56.5N	i i		0.57	l							
59 USSR-EUROPEAN VYATKA RIVER-SHARDIL 50.56 57.0N 50.56 61 USSR-EUROPEAN KAMA RIVER-SARAPUL 56.5N 54.0E 61 USSR-EUROPEAN KAMA RIVER-KARMANOV 56.5N 54.5E 63 USSR-EUROPEAN 10.0E 56.0N 57.0E 64 USSR-EUROPEAN 10.0E 56.0N 57.0E 65 USSR-EUROPEAN 10.0E 56.0N 57.0N 65 USSR-EUROPEAN 10.0E 56.0N 48.0E 10 USSR-EUROPEAN 10.0E 57.0N 48.0E 11 USSR-EUROPEAN 10.0E 52.0N 48.0E 12 USSR-EUROPEAN 10.0E 52.0N 48.0E 13 USSR-EUROPEAN 10.0E 52.0N 48.0E 14 USSR-EUROPEAN 10.0E 52.0N 49.0D 15 USSR-EUROPEAN 10.0E 75.0N 49.0D 16 USSR-EUROPEAN 10.0E 75.0N 49.0D 16	i i	N	.0.0.	20	№	z	19910429	071715	145		
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16 USSR-EUROPEAN ARAL SEA-BARSAKEL'MES I. 45.5N 59.5E 40 USSR-EUROPEAN THE DON-DUNES 49.5N 43.0E 41 USSR-EUROPEAN THE DON-DUNES 49.5N 43.0E 42 USSR-EUROPEAN VOLGGRAD-VOLGG RFUZZY 49.0N 45.0E 44 USSR-EUROPEAN VOLGG RVOLGGGRAD 48.5N 44.5E 45 USSR-EUROPEAN VOLGG RVOLGGGRAD 48.5N 44.0E 46 USSR-EUROPEAN VOLGG RVOLGGGRAD 48.0N 46.0R 49 USSR-EUROPEAN VOLGG R. DELASTRAKHAN 46.0R 48.0E 49 USSR-EUROPEAN VOLGG R. DELASTRAKHAN 46.0N 48.0E 50 USSR-EUROPEAN VOLGG R. TVER DELTA 46.0N 49.0E 50 USSR-EUROPEAN SARYKAMYSHSKOYE L. &SALTF 45.0N 59.0E 52 USSR-EUROPEAN RARA-BOGAZ-GOL, (NO.HALF) 41.6N 42.0B 43 USSR-EUROPEAN L. TENGIZ, DESERT 50.4N 50.4N 45 USSR-EUROPEAN	NEAR		50.	64		· –	19910429	085233	144		51 16
40 USSR-EUROPEAN RESERVOIR?-HAZY 41 USSR-EUROPEAN THE DON-DUNES 49.5N 42 USSR-EUROPEAN THE DON-DUNES 49.5N 43 USSR-EUROPEAN VOLGGRAD-VOLGGRAD 48.5N 44 USSR-EUROPEAN VOLGGRAD-VOLGGRAD 48.5N 45 USSR-EUROPEAN VOLGGRAD 48.5N 46 USSR-EUROPEAN VOLGGRAD 49.0N 47 USSR-EUROPEAN VOLGGRAD 47.0N 48 USSR-EUROPEAN VOLGGRAD 47.0N 49 USSR-EUROPEAN VOLGGRAD 47.0N 40 USSR-EUROPEAN VOLGGRAD 47.0N 40 USSR-EUROPEAN VOLGGRANYSHSKOYE L.8SALTP 52 USSR-EUROPEAN VOLGGRANYSHSKOYE L.8SALTP 52 USSR-EUROPEAN RARA-BOGAZ-GOL, (NO.HALF) 41.5N 43 USSR-EUROPEAN RARA-BOGAZ-GOL, (NO.HALF) 41.5N 45 USSR-EUROPEAN RARA-BOGAZ-GOL, (NO.HALF) 41.5N 45 USSR-EUROPEAN<	-BARSAKEL 'MES				2	\supset	19910429	085257	144		
41 USSR-EUROPEAN THE DON-DUNES 49.5N 43.0E 42 USSR-EUROPEAN VOLGGRAD-VOLGA RFUZZY 49.0N 45.0E 43 USSR-EUROPEAN VOLGA RVOLGOGRAD 48.5N 44.5E 44 USSR-EUROPEAN VOLGA RVOLGOGRAD 49.0N 44.0E 46 USSR-EUROPEAN VOLGA RVOLGOGRAD 49.0N 45.5E 46 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.0R 48.0E 49 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 52 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 49.5N 52 USSR-EUROPEAN VOLGA RIVER DELTA 40.5N 50.0E 52 USSR-EUROPEAN RARA-BOGAZ-GOL, (NO.HALF) 41.5N 50.4N 43 USSR-EUROPEAN L. TENGIZ, DESER 42.0N 57.4E 45 USSR-EUROPEAN ROLGA RI			51.	39	2	z	19910429	102141	144		
42 USSR-EUROPEAN THE DON-DUNES 49.5N 43.5E 43 USSR-EUROPEAN VOLGGGRAD-VOLGA RFUZZY 49.0N 45.0E 44 USSR-EUROPEAN VOLGA RVOLGGGRAD 48.5N 44.0E 46 USSR-EUROPEAN VOLGA RVOLGGGRAD 49.0N 45.5E 46 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.0R 46.0R 48 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 49 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 52 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO. HALF) 41.6E 41 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO. HALF) 41.5N 53.5E 45 USSR-EUROPEAN KURA R./BASIN, RESERVOIR 40.0N 42.0N 53.6F 75 USSR-EUROPEAN		NS.	. 0E	40.0E		250 N Y	19910429	102151	144	205 5	
43 USSR-EUROPEAN VOLGGGRAD-VOLGA RFUZZY 49.0N 45.0E 44 USSR-EUROPEAN VOLGA RVOLGGGRAD 48.5N 44.5E 46 USSR-EUROPEAN THE DON-DUNES 49.0N 45.0E 46 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.0E 47.0N 46.0E 49 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 48.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 48.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50.0E 51 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50.0E 52 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50.0E 52 USSR-EUROPEAN KARA-L SEA-VOZROZHDENIYA I 41.6N 41.6E 41.6E 41 USSR-EUROPEAN KARA-BOGGAZ-GOL, (NO.HALF) 41.5N 53.5E 45 USSR-EUROPEAN KURA R./BASIN, RESERVOIR 42.0N 57.4E 74 USSR-EUROPEAN ARLA SALA SA	THE DON-DUNES	S.	43.5E 50.7N		0 LO 250	z	19910429	102159	144	206 €	51 17
44 USSR-EUROPEAN VOLGA RVOLGOGRAD 48.5N 44.5E 15 USSR-EUROPEAN THE DON-DUNES 49.0N 44.0E 46 USSR-EUROPEAN ABL 49.0N 45.5E 47 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 48.0E 49 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 52 USSR-EUROPEAN SARYKAMYSHSKOYE L.8SALTF 42.0N 57.5E 52 USSR-EUROPEAN RARA-BOGAZ-GOL, (NO.HALF) 41.6N 41.6N 41 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.5E 43 USSR-EUROPEAN L. TENGIZ, DESERT 42.0N 57.4E 75 USSR-EUROPEAN KURA R./BASIN, RESERVOIR 40.0N 48.0E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 46.5N 75	D-VOLGA R.		45.0E 49.8N	42.8E	0 1.0 25	z	19910429	102224	144	210 5	_
44 USSK-EUROPEAN VOLGA KVOLGOGRAU 48.5N 44.5E 45 USSR-EUROPEAN THE DON-DUNES 49.0N 44.0E 46 USSR-EUROPEAN AREA NE OF VOLGOGRAD 49.0N 45.5E 47 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.5N 48.0E 48 USSR-EUROPEAN VOLGA RIVER DELTA 49.0N 46.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.0N 46.0E 51 USSR-EUROPEAN VOLGA RIVER DELTA 49.0N 57.5E 52 USSR-EUROPEAN SARYKAMYSHSKOYE L.&SALTF 42.0N 57.5E 53 USSR-EUROPEAN BATUMI, CORUH R/EFFLUENT 41.6N 41.0E 41 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.5E 43 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.5E 44 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 76 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.5N 49.0E 77 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.5N 49.0E 78 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E				;		:					;
15 USSR-EUROPEAN THE DON-DUNES 49.0N 44.0E 46 USSR-EUROPEAN AREA NE OF VOLGGRAD 49.0N 45.5E 47 USSR-EUROPEAN SALT PANS 47.0N 46.0E 48 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 51 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 52 USSR-EUROPEAN SARYKAMYSHSKOYE L.&SALTF 42.0N 57.5E 53 USSR-EUROPEAN BATUMI,CORUH R/EFFLUENT 41.6N 41.6E 54 USSR-EUROPEAN KARA-BOGAZ-GOL,(NO.HALF) 41.5N 53.5E 55 USSR-EUROPEAN KARA-BOGAZ-GOL,(NO.HALF) 41.5N 53.5E 56 USSR-EUROPEAN KARA-BOGAZ-GOL,(NO.HALF) 41.5N 53.5E 57 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 78 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.5N 48.5E 78 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.5N 46		48.5N	٦.			2	19910429	102241	144		
46 USSR-EUROPEAN AREA NE OF VOLGOGRAD 49.0N 45.5E 47 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.0N 47.6E 47.4E 47.4E 47.4E 47.4E 47.4E 47.4E 47.5E 47.5E<		49.0N	.0E 48	44	⋛	Z	19910429	102249	144		
47 USSR-EUROPEAN SALT PANS 47.0N 46.0E 48 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.5N 48.0E 49 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN ARAL SEA-VOZROZHDENIYA I 42.0N 57.5E 52 USSR-EUROPEAN ARAL SEA-VOZROZHDENIYA I 45.0N 57.5E 41 USSR-EUROPEAN KRASNOVDSKIY PEN, CASP. S. 40.5N 53.6E 42 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.5E 43 USSR-EUROPEAN L. TENGIZ, DESERT 42.0N 57.4E 45 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 43.0E 72 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 75 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 75 USSR-EUROPEAN F. OF MOUTH OF V		49.0N	. SE	45	⋛	z	19910429	102302	143		
48 USSR-EUROPEAN VOLGA R. DELASTRAKHAN 46.5N 48.0E 49 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN SARYKAMYSHSKOYE L.&SALTF 42.0N 57.5E 52 USSR-EUROPEAN BATUMI,CORUH R/EFFLUENT 41.6N 41.6E 41 USSR-EUROPEAN KRASNOVDSKIY PEN,CASP.S. 40.5N 53.5E 42 USSR-EUROPEAN KRASNOVDSKIY PEN,CASP.S. 40.5N 53.5E 43 USSR-EUROPEAN L.SARYKAMYSHSKOYE 42.0N 57.4E 45 USSR-EUROPEAN L.TENGIZ, DESERY 60.0N 48.0E 75 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E 74 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 49.0E	≊				2	z	19910429	102313	143		
49 USSR-EUROPEAN VOLGA RIVER DELTA 46.0N 49.0E 50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN SARYKAMYSHSKOYE L.&SALTF 42.0N 57.5E 52 USSR-EUROPEAN ARAL SEA-VOZROZHDENIYA I 45.0N 57.5E 52 USSR-EUROPEAN KRASNOVDSKIY PEN.CASP.S. 40.5N 53.0E 41 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.5E 43 USSR-EUROPEAN L.TENGIZ, DESERY 42.0N 53.5E 43 USSR-EUROPEAN L.TENGIZ, DESERY 42.0N 53.4E 75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 43.0E 72 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 75 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 40.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 40.0E				47	07	250 N N	19910429	102321	143		51 17
50 USSR-EUROPEAN VOLGA RIVER DELTA 49.5N 48.0E 51 USSR-EUROPEAN SARYKAMYSHSKOYE L.&SALTF 42.0N 57.5E 52 USSR-EUROPEAN ARAL SEA-VOZROZHDENIYA I 45.0N 59.0E 52 USSR-EUROPEAN KRASNOVDSKIY PEN.CASP.S. 40.5N 59.0E 41 USSR-EUROPEAN KRASNOVDSKIY PEN.CASP.S. 40.5N 53.5E 43 USSR-EUROPEAN L.SARYKAMYSHSKOYE 42.0N 53.5E 43 USSR-EUROPEAN L.TENGIZ, DESERY 42.0N 53.5E 75 USSR-EUROPEAN KURA R./BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 46.5N 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 46.5N 50.0F					2	Z	19910429	102332	143		
51 USSR-EUROPEAN SARYKAMYSHSKOYE L.&SALTF 42.0N 57.5E 52 USSR-EUROPEAN ARAL SEA-VOZROZHDENIYA I 45.0N 59.0E 52 USSR-EUROPEAN BATUMI, CORUH RZEFFLUENT 41.6E 41 USSR-EUROPEAN KRASNOVDSKIY PEN,CASP.S. 40.5N 53.6E 43 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.6E 45 USSR-EUROPEAN L.TENGIZ, DESERT 50.4N 69.2E 75 USSR-EUROPEAN KURA RZBASIN, RESERVOIR 40.0N 48.0E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 75 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 46.5N 46.5N 50.0E			48.0E 47.0N	48.3E	2	z	19910429	102335	143	220 5	51 17
52 USSR-EUROPEAN ARAL SEA-VOZROZHDENIYA I 45.0N 59.0E 32 USSR-EUROPEAN BATUMI, CORUH RZEFFLUENT 41.6E 41 USSR-EUROPEAN KRASNOVDSKIY PEN,CASP.S. 40.5N 53.6E 43 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.6E 45 USSR-EUROPEAN L.TENGIZ, DESERT 50.4N 69.2E 75 USSR-EUROPEAN KURA RZBASIN, RESERVOIR 40.0N 48.0E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 75 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E		z	57.5E 42.6N		2	z	19910429	102517	142	234 6	50 17
32 USSR-EUROPEAN BATUMI, CORUH R/EFFLUENT 41.6F 41 USSR-EUROPEAN KRASNOVDSKIY PEN, CASP.S. 40.5N 53.5E 42 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO.HALF) 41.5N 53.5E 43 USSR-EUROPEAN L.TENGIZ, DESERT 50.4N 69.2E 75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 49.0E		45.0N	6		2	z	19910429	102534	142	236 £	
41 USSR-EUROPEAN KRASNOVDSKIY PEN.CASP.S. 40.5N 53.5E 42 USSR-EUROPEAN KARA-BOGAZ-GOL,(NO.HALF) 41.5N 53.5E 43 USSR-EUROPEAN L.SARYKAMYSHSKOYE 42.0N 57.4E 45 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E 74 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 49.0E		41.6N	•	41.8E	20 NV 25	50 N N	19910503	095434	139	157 6	50 81
42 USSR-EUROPEAN KARA-BOGAZ-GOL, (NO. HALF) 41.5N 53.5E 43 USSR-EUROPEAN L. SARYKAMYSHSKOYE 42.0N 57.4E 45 USSR-EUROPEAN L. TENGIZ, DESERT 50.4N 69.2E 75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 49.0E	KRASNOVDSKIY PEN.CASP.S.		53.5E 42.8N	59.05	2	250 O N	19910501	022523	142	79	1 44
43 USSR-EUROPEAN L.SARYKAMYSHSKÖYE 42.0N 57.4E 45 USSR-EUROPEAN L.TENGIZ, DESERT 50.4N 69.2E 75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 49.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 50.0E	KARA-BOGAZ-GOL. (NO. HALF)	41.5N	3.5E	59.6E	0 10 25	0	19910501	022533	142	80	11 44
45 USSR-EUROPEAN L.TENGIZ, DESERT 50.4N 69.2E 75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 49.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA RIVER 46.5N 50.0E	L. SARYKAMYSHSKOYE		. 4E		2	0	19910501	022550	142	81	12 44
75 USSR-EUROPEAN KURA R/BASIN, RESERVOIR 40.0N 48.0E 72 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA R. 46.8N 50.0E	L. TENGIZ, DESERT		. 2E		2		19910501	022821	143		
72 USSR-EUROPEAN AREA SW OF ASTRAKHAN 46.3N 47.5E 73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA R. 46.8N 50.0E	SIN, RESERVOI			48.5E	0 L0 2	z	19910503	095635	138		
73 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 48.5E 74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 49.0E 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA R. 46.8N 50.0E	_	38				z	19910430	040414	143	93	က
74 USSR-EUROPEAN MOUTH OF VOLGA RIVER 46.5N 75 USSR-EUROPEAN F. OF MOUTH OF VOLGA R. 46.8N		NG.	4		2	z	19910430	040429	143		4
75 USSR-EUROPEAN E OF MOUTH OF VOLGA R. 46.8N 50		. SN	4	20	2	250 N N	19910430	040435	144	S	₹
	E. OF MOUTH OF VOLGA R.	•	.0E 49		7	N N 05	19910430	040441	144	36 2	5 29
87 83 USSR-EUROPEAN ULYANOVSK, VOLGA R/RES. 54.3N 48.4E	ULYANOVSK, VOLGA R/RES.	٠.	48.4E 55.1N	50.2E	L0 2	∠ 0.00	19910429	054414	145		_

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTE		DIR						N IV		Γ
RL	FR	GEOGRAPHIC NAME	FEATURE	LAT	ב	T LON	CC TL FL	E S	DATE	GMT /	AL	,	EL 0	~
87	84	USSR-EUROPEAN	SK, VOLGA F	54.3N 4	48.5E 55.3N	51	2		ത			4	37 1	4
87	85	USSR-EUROPEAN	AGR-BLURRED, CLOUD STRIP		Š.	S	2	U ≺	19910429 (4430		125		4
87	98	USSR-EUROPEAN				52		U Y 1	19910429 (145			4
87	87	USSR-EUROPEAN	UFA R, AGR, JET STREAM	55.3N 5	56.5E 56.3N	S	9	z	19910429 (054515		131		4
	104	USSR-EUROPEAN	KALININGRAD, AFLD, COAST	. 7N	56.	18	L0 2	>			145		48 1	_
87	105	USSR-EUROPEAN	KALININGRAD, AFLD, COAST	7.	ა	19	20 LO 250		19910429	101824				_
	106	USSR-EUROPEAN	ARRIE	12	1.3E 56.	20	50 LO 250	2	19910429	101836	145	173	48 1	_
87	107	USSR-EUROPEAN	VOLGA R/RES, VOLGOGRAD	48.8N 4	44.7E 50.2N	41.9E	0 LO 250	N O	19910429	102216	144		51 1	17
	108	USSR-EUROPEAN	VOLGA R, KRASNO-ARMEYSK	NO.	.3E 50.	42	0 LO 250		19910429	102220	144	508		~
	109	USSR-EUROPEAN	KAPUSTIN, AFLDS, AGR.	NG.	45.8E 49.2N		0 LO 250	Z	19910429	102243	144	213		7
	:	1400000			3	;			00.40.001	370001	***	,		r
ò :	011	USSK-EURUPEAN	הא	7 0 (. 25 . 43 .	7	2 .	2 :	910459	047701				- ,
	111	JSSR-EUROPEAN			.8E 48.	4	2			102201	4			_
	112	JSSR-EUROPEAN	%	47.9N 4	.0E 48.	45	2	> Z		102257			51 1	_
	113	USSR-EUROPEAN	HAN, AGR.		.7E 48.	45	2	z		102302				_
	114	USSR-EUROPEAN	SUYUNDUK, BALKUDUK, SALARS		48	46	0 LO 250	z z		102307			51 1	17
	115	USSR-EUROPEAN	L.ARALSOR, RYN DESERT	48.8N 4	48.4E 47.9N	46	07	z	459	102315				~
	116	USSR-EUROPEAN	VOLGA R/CHAN, MIL. BASE	46.8N 4	48.0E 47.6N	47	20	2	19910429	102322	143			_
	117	USSR-EUROPEAN	VOLGA R/DELTA,MIL.BASE	46.7N 4	48.5E 47.5N	47	2	z	19910429	102326	143	219		~
	118	USSR-EUROPEAN	RYN DESERT		47.1N	48	2	z	19910429	102334	143	220		7
	119	USSR-EUROPEAN	CASPIAN SEA.ZABURUNYE B.	46.8N 5	50.0E 46.9N	48	9		19910429	102340	143	221	51 1	7
)													
87	120	USSR-EUROPEAN	CASPIAN SEA, SENNOY BAY	47.0N 5	50.6E 46.7N	48.8E	07	z		102344	143	221	51 1	7
	121	USSR-EUROPEAN	VOLGA DELTA, SINEYE M. BAY	46.3N 4	. 8E	48	≥		19910429	102349	143			_
	122	USSR-EUROPEAN	CASPIAN SEA-EAST CST.	. SN	52.8E 46.0N	50,1E		z	19910429	102401			51 1	~
	123	USSR-EUROPEAN	BIZACHI PEN, SALAR	45.2N 5	51.9E 45.8N	20	2	z	19910429	102406				_
	124	USSR-EUROPEAN	TYUB-KARAGAN PEN, KARAGAN	44.8N 5	.5E 44.	52	25 LO 250	> 2	19910429	102431		228		17
	125	USSR-EUROPEAN	TYUB-KARAGAN PEN, KARAGAN	. 4N	.8E 44.	52	2	z	10429					_
151	52A	JSSR-EUROPEAN	URAL R. DELTA, CASPIAN S	NO.	4	49	30 LO 250		430					က္က
151	52B	USSR-EUP DPEAN	E. SHORELINE CASPIAN SEA	42.5N 5	2.5E	51	2		430	101828				က
151	53	USSR-EUROPEAN	ZALIV KARA-BOGAZ-GOL	41.5N 5	.0E 41.	Ġ			19910430	101842	141	226		<u>س</u>
151	54	USSR-EUROPEAN	ZALIV KARA-BOGAZ-GOL	41.0N 5	•	2	0		19910430	101846	141			<u>ლ</u>
601	-	USSR-EUROPEAN	CLOUDS		54.1N	29.7E	85 HO 100	z	19910429	102000	138	188	50 1	9
601	7	USSR-EUROPEAN	CLOUDS		54.1N	7	95 HO 100	Z	19910429	102000				9
603	41	USSR-EUROPEAN	CLOUDS OVER UKRAINE		52.8N	30	오	z	19910430	101400				~
603	42	LSSR-EUROPEAN	RES	49.0N 3	.0E 46.	45	오	Z	19910430	101700				~
603	43	USSR-EUROPEAN	9	NO	0E 46.			S	130	101700				~
603	44	L SSR-EUROPEAN	RES.	8	.0E 46.	45	皇	Z	910430	101700	_	215	54 3	
603	45	USSR-EUROPEAN			.0E 46.	45.	70			101700				_
603	46	USSR-EUROPEAN	CAUCASUS MTS CASPIAN S		.0E 43.	4		Z	910430	101800			54 3	32
603	47	USSR-EUROPEAN		NO.	.0E 43.	49	오	_	910430	101800	_	₩.		- 2
603	48	USSR-EUROPEAN	SEA, EA	NG.	.5E 43.	4	45 LO 100	z	910430	101800	~			~
		CONTRACTOR OF THE CONTRACTOR O									İ		1	

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				CENTER		ADIR							SUN		Γ
P.	æ	GEOGRAPHIC NAME	FEATURE	LAT LON		1	E S	L FL E	S	DATE	GMT	AL AL		ای	e e
603	49	USSR-EUROPEAN	EAST								101900	137			32
603	20	USSR-EUROPEAN	CASPIAN SEA, EAST SHORE		52.0E 41.1N		50 LO	100 N		19910430	101900	137			32
603	51	USSF-EUROPEAN			3.0E 41.1N		55 LO	100 N	2	19910430	101900	137		54	32
603	52	USSR-EUROPEAN		သ		N 53.3E	45 LO	100 N	N 199	9910430	101900	137			32
909	28	USSR-EUROPEAN	AGRICULTURE, UKRAINE				70 10	100 N							
909	59	USSR-EUROPEAN	URE,					100							
909	30	USSR-EUROPEAN	KARKINITSK GULF, ODESSA	46.0N 32	. 0E		55 HO	100							
909	31	USSR-EUROPEAN	KARKINITSK GULF, CRIMEA		34.0E		45 LO	100 N	z						_
909	32	USSR-EUROPEAN	CRIMEA, SEA OF AZOV		35.0E			100							
909	33	USSR-EUROPEAN	=	37	. 0E		40 LO	100							
909	34	USSR-EUROPEAN	PT. PITSUNDA. SOCHI	43.0N 40	.06		30 00	100	2						
909	36	USSR-EUROPEAN	SED. PLUME NEAR BATUMI						: z						
609	37	USSR-EUROPEAN	VOLGA R., AKHTUBINSK		.0E 50.2N	N 40.8E		250	N 199	9910505 (081100	141	154	54 1	111
609	38	USSR-EUROPEAN	_	46	5E			250		19910505 (081100	141			111
72	40	USSR-MIDDLE	LAKE BALKHASH	46.5N 75	.5E		0 0	250 N	z						
72	41	L'SSR-MIDDLE	TIEN SHAN					250	z						
73	88	USSR-MIDDLE	LAKE BAYKAL-FROZEN	55.5N 109	.5E 56.3N	N 109.9E		250		19910429 (041951	145	173	48	13
73	83	USSR-MIDDLE	LAKE BAYKAL-FROZEN	55.5N 139.5E	.5E 56.3N	N 110.3E	№	250		19910429 (041954	145	174	48	13
73	90	USSR-MIDDLE	LAKE BAYKAL-FROZEN	55.0N 109	. 5E	N 110.6E	07 0	250	Y 199		041957	145	174		13
	103	USSR-MIDDLE	FIRES-DRY LAKES			N 70.0E	0 0	250		9910429 (054700	145	148		14
	104	LSSR-MIDDLE	FIRES-DRY LAKES					250			054732	145		45	14
7.7	99	USSR-MIDDLE	LAKE BAYKAL-ANGARA R.		.0E		40 LO	250	_		011259	145		32	11
7.7	69	USSR-MIDOLE	LAKE BAYKAL			N 105.3E		250			011303	145		32	11
11	70	USSR-MIDDLE	LAKE BAYKAL-SUNGLINT	52.5N 106.5E	.5E 51.4N	N 105.8E	50 LO	250	-	9910429 (011309	145		32	11
11	7.1	USSR-MIDDLE			51.				¥ 199		011320	145		33	11
11	12	L3SR-MIDDLE	LAKE BAYKAL-SVYATOYNOS P			108	0 0	250	_		011339	145		33	11
7.7	73	USSR-MIDDLE	BAYKAL-SVYATOVNO	54.0N 109.0E		109	0 0	250	-		011352	145	113	34	11
7.7	74	USSR-MIDDLE		55.5N				250	-		011404	145	115	34	11
11	75	USSR-MIDDLE	-NORTHERN	54.5N 109	53.	111		250	13		011413	145	116	35	11
7.1	16	USSR-MIDDLE	LAKE BAYKAL-NORTHERN END	55.5N 110	.0E 54.2N	N 114.8E	0 0	250	¥ 196	910429 (011443	145	119	36	11
7.7	7.1	USSR-MIDDLE	LAKE BAYKAL-NORTHERN END	55.5N 110.0E	.0E 54.6N	N 116.1E	0 0	250	>-	19910429 (011456	145	121	37	11
7.7	82	USSR-MIDDLE	LAKE BALKHASH-SMOKE-HAZE					^	>-	19910429 (023857	144		2.1	12
11	83	USSR-MIDDLE						250	>		023917	144		22	12
7.7	84	USSR-MIDDLE						250	>		023926	144		23	12
77	68	USSR-MIDDLE		_		_		250	-		024646	145		42	12
11	06	USSR-MIDDLE				108	က		>		024649	146		45	12
11	91	USSR-MIDDLE				108		250	>		024652	146		42	12
11	95	USSR-MIDDLE			108.0E 57.0N	109		250	γ 19	910429 (024702	146	142	42	12
11	93	HSSR-MIDDLF	ВАУ	54.5N 109	109.0E 57.1N	N 111.1E	9 10	250	>	19910429 (024712	146	143	42	12
11	94	US.SR-MIDDLE	LAKE BAYKAL	54.5N 109	.0E 57.2N	N 111.8E	5 L0	250	>	19910429 (024718	146	144	43	12

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

RL	FR	GEOGRAPHIC NAME	FEATURE	CENTER LAT LON	LAT LON	CC TL FL E	S DATE	GMT AL	AZ	SUN	OR
11	95	USSR-MIDDLE	LAKE BAYKAL	3.5N	57.2N 112.7	15 LO 250	19910429	14	۵	43	12
77	96	USSR-MIDDLE	LAKE BAYKAL	.0N 110	57.	2	19910429	7	14		12
77	97	USSR-MIDDLE	LAKE BAYKAL	55.0N 109.0E	သ	20 LO 250 N		024824 146			12
11	86	USSR-MIDDLE	LAKE BAYKAL	53.5N 108.0E		HO 250	19910429	024829 146		3 45	12
77	66	USSR-MIDDLE	LAKE BAYKAL	4.5N 108	57.0N 126	HO 250	19910429		-		12
79	<i>y</i> 0	USSR-MIDDLE	LAKE BAYKAL-OL'KHON I.	53.0N 107.5E	53.8N 99.8E	65 LO 250 N	19910429	055130 145	5 192		14
79	-	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	52.5N 106.5E	53.7N 100	LO 250	19910429	055139 145	-		14
79	7	USSR-MIDDLE	LAKE BAYKAL-OY NOS PEN.	. 5N 1	5	LO 250	19		_		14
79	ო	USSR-MIDDLE	BAYKAL-OL'KHON	3.0N 107.	53.2N 101.	10 250	13	5156	-		14
79	4	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	52.5N 107.0E	53.1N 102.2E	45 LO 250 N	Y 19910429	055159 14	4 196	9 20	14
79	2	USSR-MIDDLE	LAKE BAYKAL-SELENGA DEL.	.0N 106.	53.0N 102.5E		Y 19910429	14	4		14
79	9	USSR-MIDDLE	-SOUTH END	2	52.	LO 250	Y 19910429	055205 144	4 197	7 50	14
79	7	USSR-MIDDLE	BAYKAL-SOUTH	.0N 105.	52.6N 103	LO 250	1991042				14
79	œ	USSR-MIDDLE	LAKE BAYKAL-SOUTH END	51.5N 104.5E	2	40 LO 250 N	Y 19910429	055234 144	4 202		14
79	6	USSR-MIDDLE	BAYK	.5N 105.	51.8N 105	LO 250	19	055239 144			14
79	10	USSR-MIDDLE	BAYKAL-SOUTH	105.	51.7N 106	NV 250	910429				_
79	11	USSR-MIDDLE	BAYKAL-	2.0N 106	51.6N 106	NV 250	19910429	_			-
79	12	USSR-MIDDLE	BAYK	2.0N 106.0	51.4N 107.	2	910429	55251			_
79	13	USSR-MIDDLE	BAYKAL-	5.0N 109.5	50.9N 108	250	1991042	55306	_	7 51	14
79	14	USSR-MIDDLE	LAKE BAYKAL-SVYATOYNOS P	54.0N 109.0E	50.8N 108.6E	40 LO 250 N	Y 19910429	055309 14	4 20	_	14
70	4	ISSR-MIDDLE	PAKE BAYKAL SYVATOYNOS P	53 ON 108	50 6N 109 1F	30 10 250 N	Y 19910429	055315 144	4 20R	7.	4
2	9 9	HICCID INTO E	DVCHMARTOROL	, y	56 2W 65	20.00	V 10010429				
. 0	2 4	HOOR MIDDLE		56.5N 65.	56.0N 66.	0 1 0 250	9 0	17 77 000			٠-
6.7) ¢	IISSR-MIDDLE	DENT SOVO	56.5N 65.	55. 7N 68		91042	226		4 4	1.5
2 6	69	USSR-MIDDLE	NEA	5N 71	55.1N 71.	0 10 250	19	016			• -
7.6	70	USSR-MIDDLE	NEAR L. SALTAI	7	55.0N 72.	07 0	19910429				. ~
79	7.1	USSR-MIDDLE	SELETYENI	.5N 73.	54.6N 73	LO 250	19910429	~			_
79	72	USSR-MIDDLE	SELE	3.0N 73.	54.4N 74	LO 250	19910	072047 145	-		
79	73	USSR-MIDDLE	LAKE BOL'SHOY AZHBULAT	53.0N 77.5E	53.4N 78.4E	0 NV 250 N	19910429	072124 14	4 194	4 50	_
79	74	USSR-MIDDLE	LAKE BOL'SHOY AZHBULAT	53.0N 77.0E	53.3N 78.7E	LO 250	Y 19910429	072127 14	-		-
79	75	USSR-MIDDLE	NEAR VOLCHIKHA-SMALL LAK	52.0N 80.5E	52.5N 81.3E	0 NV 250 U	Y 19910429	072155 144	4 199	9 50	15
79	9/	USSR-MIDDLE	SMALL LAKES-TREES	51.5N 79.5E	52.4N 81.7E	0 LO 250 U	Y 19910429	072159 144	4 199		15
79	11	USSR-MIDDLE	SMALL LAKES-TREES	1.5N 79.	52.2N 82.	LO 250	19				15
79	78	USSR-MIDDLE	IRTYSH RIVER	5N 80.0	51.9N	0 LO 250 U	N 19910429	072214 144	4 202		
79	79	USSR-MIDDLE	BUKHTARMINSKOYE RES.	.5N 84	50.9N 85.	r0	N 19910429	244		5 51	
80	17	USSR-MIDDLE	ARAL SEA-NW PART	. 5N	49.2N 66.7E	LO 250	Y 19910429	085303 144	4 213		
80	18	USSR-MIDDLE	LAKE SHUBAR TENGIZ	.5₩ 65.	48.2N 68.	250	13	085330 143	3 217		16
80	19	USSR-MIDDLE		6.0N 66.	46.9N 71.2	LO 250	N 19910429	085401 143		1 51	16
82	0		S	7 NO.		4	z				
85		USSR-MIDDLE	L.BALKASH, STEPPES	46.5N 76.5E		H0 40	>				

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

Section CC TL FL E S DATE GMT AL					CENTE	ď	NADIR							NIV	2	
0 F USSR-WIDDLE	R	FR	GEOGRAPHIC NAME		LAT	LON	LATTLON	၁	7		DATE	GMT	AL		딥	OR
0 F USSE-HIDDLE	85				ŀ	76.0E		5	오	z						
44 USSR-HIDDLE BOESERT SALT PANS 36.56 57.6E 30.70 57.0E 30.70 57.0E 30.70 57.0E 30.10 550.0E N. 19910430 022113 142 81 13 16 2 15 10 USSR-HIDDLE BOESERT 30.0E 56.4E 30.70 57.0E 10.550.0E N. 19910430 022111 34.2 82 14 15 15 10 USSR-HIDDLE CERTAMARIA AREA 30.0E 56.4E 39.50 56.7E 10.550.0E N. 19910430 022111 34.2 82 14 15 15 15 15 15 15 15 15 15 15 15 15 15	2			ALKASH-E	5.5N	٥.		20	皇	Z						
65 USSR-WIDDLE EOF BAKKHARDEN AREA 33.45 S.75 S.37 N.5 O.6 O.6 O.6 O.6 O.8 N. 19910430 022117 142 BL 13 C.8 O.6 O.6 O.6 O.6 O.6 O.8 N. 19910430 022117 142 BL 13 C.8 O.6 O.6 O.6 O.6 O.6 O.6 O.6 O.8 O.8 N. 19910430 022117 142 BL 13 C.8 O.6 O.6 O.6 O.6 O.6 O.6 O.6 O.6 O.6 O.6	85	44	USSR-MIDDLE	DESERT, SALT PANS		4	.6N 68.	u	~	z	19910501	0227	14	87	18	44
5.2 USSR-WIDDLE (C.) FRANKAROR AS 18.0 KB 4.6 E 9.0 N. 68.1 E 9.0 N. 68.1 E 9.0 N. 19910420 023121 142 E 81 13 14	98	61	USSR-MIDDLE		. 5N	7.5E	.7N 57			Z	σ	0231		81	13	28
6 USSR-WIDDLE KIZYLARVAT AREA 33.0N 65.8E 0.0 C 260 NN 19910430 023130 142 82 14 6 14 0 USSR-WIDDLE KIZYLARVAT AREA 35.0N 65.8E 0.0 C 260 NN 19910430 023130 142 83 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	98	62	USSR-MIDDLE	E.OF BAKHARDEN	. 2N	8.0E	.9N 57		2	z	19910430			81	13	28
USSR-HIDDLE TSENTRALL WAYE DESERT 40.58 9.0K 96.3E 83.5K 8 0.10 250 N N 19910430 023141 142 83 14 142 83 14 142 83 14 142 83 14 142 83 14 142 83 14 142 83 14 143	86	63	USSR-MIDDLE		NO.	. 4E	.1N 58		2	z				82	13	28
65 USSR-MIDDLE TSENYRAL, WAGARA R. 51.9N 104.0E 51.5N 105.1E 50. LO 250 N N 19910429 01311 142 83 15 14 015 01 015 01 015 01 N 19910429 01313 145 110 32 15 01 015 01 015 01 N 19910429 01313 145 110 32 15 01 015 01 015 01 N 19910429 01313 145 110 32 15 01 015 01 015 01 N 19910429 01313 145 110 32 15 01 015 01 015 01 N 19910429 01313 145 110 32 15 01 015 01 015 01 N 19910429 01313 145 110 32 15 01 015 01 015 01 N 19910429 01313 145 110 32 110 01 01 01 01 01 01 01 01 01 01 01 01	86	64	USSR-MIDDLE	KIZYLARVAT AREA	NO.	.3E	58		2	z	6			82	14	28
USSR-MIDDLE L.BAYKAL, ANGARA R, SNOW 51.8N 105.16 5.15 N 106.17 6 10 0.250 N Y 19910429 013138 145 115 32 15 15 USSR-MIDDLE L.BAYKAL, SNOW/TCE 2.0N 105.66 5.1N 105.76 0 N Y 19910429 01332 145 110 32 15 15 USSR-MIDDLE L.BAYKAL, SNOW/TCE 2.0N 105.66 5.1N 105.76 0 N Y 19910429 01332 145 110 32 15 USSR-MIDDLE L.BAYKAL, OKKNON 1, SNLTCE 22.9N 105.76 5.2N N 19910429 01332 145 113 34 15 USSR-MIDDLE L.BAYKAL, OKKNON 1, SNLTCE 23.9N 105.76 5.2N N 19910429 01332 145 113 34 15 USSR-MIDDLE L.BAYKAL, OKKNON 1, SNLTCE 23.9N 105.76 5.2N N 19910429 01432 145 113 34 15 USSR-MIDDLE L.BAYKAL, SNVATOY PER, SYL 53.7N 109.76 5.2N N 113.10 C 20 N Y 19910429 01442 145 113 34 15 USSR-MIDDLE L.BAYKAL, SNVATOY PER, SYL 53.7N 109.76 5.3N 113.1E 10 C 250 N Y 19910429 01442 145 115 35 USSR-MIDDLE L.BAYKAL, SNVATOY PER, SYL 53.7N 109.76 5.3N 113.1E 10 C 250 N Y 19910429 01442 145 115 35 USSR-MIDDLE L.BAYKAL, SNVATOY PER, SYL 53.7N 109.76 5.3N 113.1E 10 C 250 N Y 19910429 01442 145 115 36 USSR-MIDDLE L.BAYKAL, SNOW/TCE 54.4N 109.46 5.3N 113.1E 10 C 250 N N 19910429 01442 145 145 145 145 145 145 145 145 145 145	98	65	USSR-MIDDLE	NYYE	NO.	9.0E	.0N 59			z	19910430			83	14	28
73 USSR-HIDDLE L.BAYKAL, ANGARA R.SNOW 51.9N 105.2E 51.7N 106.7E 40 L0 260 N Y 19910429 011324 145 110 32 75 USSR-HIDDLE L.BAYKAL, ANGAYICE 2.0N 105.2E 52.NN 106.7E 40 L0 260 N Y 19910429 011324 145 110 33 75 USSR-HIDDLE L.BAYKAL, SILKLARA F.VELTA 22.NN 105.3E 52.NN 106.3E 52.NN 108.4E 61 L0 260 N Y 19910429 011324 145 112 34 77 USSR-HIDDLE L.BAYKAL, OKNOW 1.SN/LCE 25.0N 105.3E 52.NN 108.6E 52.NN 108.7E 10 L0 260 N Y 19910429 011324 145 112 34 12 USSR-HIDDLE L.BAYKAL, OKNOW 1.SN/LCE 25.NN 108.6E 52.NN 110.7E 10 L0 260 N Y 19910429 011324 145 113 34 12 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 53.7N 108.6E 53.NN 112.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 53.7N 108.4E 53.NN 113.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 53.7N 108.4E 53.NN 113.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 54.0N 109.4E 53.NN 113.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 54.0N 109.4E 53.NN 113.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 54.0N 109.4E 53.NN 113.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 54.0N 109.4E 53.NN 113.1E 10 L0 260 N Y 19910429 011422 145 115 36 USSR-HIDDLE L.BAYKAL, SVAVIOY PEN.S/T 54.0N 109.4E 53.NN 113.1E 10 L0 260 N N 19910429 011422 146 115 36 USSR-HIDDLE RAREA AROUND CHARA 56.NN 113.1E 65.NN 113.1E 10 L0 260 N N 19910429 011422 148 115 36 USSR-HIDDLE RAREA RAROUND CHARA 56.NN 113.2E 65.NN 113.2E 67.NN 113.4E 10 L0 100 N N 19910429 013050 033074 148 10 13 15 14 13 14 14 14 14 14 14 14 14 14 14 14 14 14	98	99	USSR-MIDDLE	NYYE	. SN	9.5E	.4N 59			z	19910430			83	15	28
74 USSR-WIDDLE L.BAYKAL, ANGARA R.SNOW 51.8N 105.7E 51.7N 106.7E 60 LO 250 N Y 19910429 011322 145 110 33 155 USSR-WIDDLE L.BAYKAL, OLKHON 1.SN/TCE 52.3N 105.4E 60 LO 250 N Y 19910429 011332 145 110 33 112 34 USSR-WIDDLE L.BAYKAL, OLKHON 1.SN/TCE 52.3N 105.4E 62.6N 109.7E 10 LO 250 N Y 19910429 011322 145 113 34 10 USSR-WIDDLE L.BAYKAL, OLKHON 1.SN/TCE 52.3N 105.4E 62.6N 109.7E 10 LO 250 N Y 19910429 011421 145 113 34 10 USSR-WIDDLE L.BAYKAL, OLKHON 1.SN/TCE 52.3N 105.4E 53.3N 111.1E 10 LO 250 N Y 19910429 011422 145 115 35 115 35 USSR-WIDDLE L.BAYKAL, SNOW/TCE S5.3N 109.4E 53.5N 112.1E 10 LO 250 N Y 19910429 011422 145 115 35 USSR-WIDDLE L.BAYKAL, SNOW/TCE S5.3N 109.4E 53.4N 113.1E 10 LO 250 N Y 19910429 011422 145 115 35 USSR-WIDDLE L.BAYKAL, SNOW/TCE S5.4N 109.4E 53.4N 113.1E 10 LO 250 N Y 19910429 011422 145 115 35 USSR-WIDDLE L.BAYKAL, SNOW/TCE S5.4N 109.4E 54.4N 109.4E 5	87	73	USSR-MIDDLE	ANGARA	1.9N 1	4.6E	.5N 106.		2	z	91042	01131		109	32	11
74 USSR-WIDDLE L.BAYKAL, SNOWJCE C.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE C.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE C.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, OLKHOW I.SW.YCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE L.BAYKAL, SNOWJCE S.S. 18 USSR-WIDDLE SNAMP VERKINYARA NGARRA S.S. 18 USSR-WIDDLE SNAMP VERKINYARA ANGARA S.S. 18 USSR-WIDDLE SNAMP VERKINYARA ANGARA S.S. 18 USSR-WIDDLE SNAMP VERKINYARA ANGARA S.S. 18 USSR-WIDDLE SNAMP VERKINYARA ANGARA S.S. 18 USSR-WIDDLE SNAMP VERKINYARA ANGARA S.S. 18 USSR-WIDDLE SNAMB VERKINYARA S.S. 18 USSR-WIDDLE SNAMB VERKINYARA S.S. 18 USSR-WIDDLE SNAMB VERKINYARA S.S. 18 USSR-WIDDLE SNAMB VERKINYARA S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB S.S. 18 USSR-WIDDLE SNAMB	Ç	ŗ		6	;		,		-				•	;	6	į
75 USSR-MIDDLE L.BAYKAL, SMOWLTE E.S.M. 1015.6E 52.0N 1017.6E 02.0N V 19910429 011343 145 110 33 15 USSR-MIDDLE L.BAYKAL, SMOWLTE E.S.M. 1015.6E 52.0N 1017.6E 02.0N V 19910429 011343 145 110 33 110 USSR-MIDDLE L.BAYKAL, OLKHON I.SWITCE 2.3N 1010.6E 53.N 113.1E 10 L0 260 N Y 19910429 011341 145 115 35 13 USSR-MIDDLE L.BAYKAL, OLKHON I.SWITCE 2.3N 1010.6E 53.N 113.1E 10 L0 260 N Y 19910429 011341 145 145 145 145 145 145 145 145 145 1	20	4	USSR-MIDDLE	ANGARA R,	8	, 2E	.7N 106.		2	Z	19910429			110	32	
76 USSR-WIDDLE L.BAYKAL, OLKHON I, SN./TCE 52.9N 108.06 52.3N 108.06 50.0N V 199910429 011362 145 113 34 15 USSR-WIDDLE L.BAYKAL, OLKHON I, SN./TCE 52.9N 108.06 53.1N 110.7F 10 LO 250 N V 199910429 011408 145 114 34 19 USSR-WIDDLE L.BAYKAL, OLKHON I, SN./TCE 53.3N 108.06 53.2N 1110.7F 10 LO 250 N V 199910429 011408 145 115 35 0 USSR-WIDDLE L.BAYKAL, SVANATOY PEN, S./ZI 54.0N 109.06 53.2N 1112.1E 10 LO 250 N V 199910429 011422 145 115 35 0 USSR-WIDDLE L.BAYKAL, SVANATOY PEN, S./ZI 54.0N 109.06 53.2N 113.1E 10 LO 250 N V 199910429 011422 145 115 35 0 USSR-WIDDLE L.BAYKAL, SVANATOY PEN, S./ZI 54.0N 109.06 53.2N 113.1E 10 LO 250 N V 199910429 011422 145 115 35 0 USSR-WIDDLE L.BAYKAL, SVANATOY PEN, S./ZI 54.0N 109.06 53.2N 113.1E 10 LO 250 N V 199910429 011422 145 115 35 0 USSR-WIDDLE ARRA ARRAWANA, AGR, FTRES SAGR. 37.2N 61.2F 61.0D 250 N N 199910429 011422 145 114 31 45 119 36 USSR-WIDDLE ARRA ARRAWANA, AGR, FTRES SAGR. 37.2N 61.2F 62.0N N 199910429 014429	81	75	USSR-MIDDLE	SNOW/I(Z	9E	.0N 107		2	z	19910429	011		110	33	11
77 USSR-WIDDLE L.BAYKAL, OKHON I.SNI/ICE 53.3N 108 OE 53.1N 110.7E 10 LO 250 N Y 19910429 011408 145 114 34 18 USSR-WIDDLE L.BAYKAL, OKHON I.SNI/ICE 53.3N 108 OE 53.1N 110.7E 10 LO 250 N Y 19910429 011412 145 115 35 81 USSR-WIDDLE L.BAYKAL, SVA/ATOY PRIN.S/I 53.7N 108.6E 53.2N 111.1E 10 LO 250 N Y 19910429 011412 145 115 35 81 USSR-WIDDLE L.BAYKAL, SVA/ATOY PRIN.S/I 53.7N 108.6E 53.8N 112.1E 10 LO 250 N Y 19910429 011421 145 115 35 82 USSR-WIDDLE L.BAYKAL, SNOW/ICE 54.4N 109.8E 54.1N 114.2E 5 LO 250 N N 19910429 011432 145 117 35 81 USSR-WIDDLE PANORAMA, AGR, FIRES AGR. 57.2N 114.12 E 5.00 LO 250 N N 19910429 011431 145 117 35 12 USSR-WIDDLE ARRA AROUND NIZHMEUDINSK 54.6N 57.2N 6 LO 250 N N 19910429 011431 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43 147 43 145 147 43 145 147 43 145 147 43 145 147 43 145 147 43	87	97	USSR-MIDDLE	SELENG/	52.3N	. 3E	.3N 108.		9	z	19910429	011		112	33	11
13 15 15 15 15 15 15 15	87	11	USSR-MIDDLE	OLKHON	52.9N	. 5E	.6N 109		2	z	91042			113	34	11
79 USSR-MIDDLE L. BAYKAL, SVYATOY PEN, S.T. 53.7N 10.8. G. S. 2.N 111.1E 0.0. 0.0 N 19910429 0.1412.145 115 35 80 USSR-MIDDLE L. BAYKAL, SVYATOY PEN, S.T. 53.4N 113.1E 10.0. 0.50. N Y 19910429 0.1432.145 115 35 81 USSR-MIDDLE L. BAYKAL, SNOW/TCE 56.4N 109.6E 64.1N 114.2E 6.0. 250. N Y 19910429 0.11432.145 117 35 82 USSR-MIDDLE PANDRAMA, SCR, FIRES S. 4.N 109.6E 64.1N 114.2E 6.0. 250. N 19910429 0.14431.445 115 36 89 USSR-MIDDLE PANDRAMA, SCR, FIRES S. 4.N 90.6E 65.3N 10.19 0.0. 250. N 19910429 0.14431.445 115 36 89 USSR-MIDDLE PANDRAMA, SCR, FIRES S. 4.N 90.6E 65.3N 10.19 66.5N 10.2 0.0 10.42 41.4 41.5 43 11 USSR-MIDDLE AREA AROUND NIZHINGARA S. 6.N	87	7.8	USSR-MIDDLE	OLKHON	53.3N	. 0E	.1N 110		07	z	991042		14	114	34	11
89 USSR-WIDDLE L.BAYKAL, SNOWJYICE 55.4N 109.0E 53.5N 112.1E 10 LO 250 N Y 19910429 011432 145 115 35 81 USSR-WIDDLE L.BAYKAL, SNOWJYICE 55.4N 109.8E 54.8N 113.1E 10 LO 250 N N 19910429 011432 145 117 35 USSR-WIDDLE PANDRAMA, AGR, FIRES 55.4N 109.8E 57.2N 67.8E 10.0 250 U N 19910429 011432 145 117 35 USSR-WIDDLE KAYRAKUMSKOYE RES, AGR. 37.2N 61.2E 10.0 250 U N 19910429 011432 145 145 43 USSR-WIDDLE KAYRAKUMSKOYE RES, AGR. 37.2N 61.2E 10.0 250 U N 19910429 011432 145 145 43 USSR-WIDDLE KAYRAKUMSKOYE RES, AGR. 37.2N 61.2E 10.0 250 U N 19910429 01442 148 80 12 USSR-WIDDLE AREA AROUND NIZHMEUDINS 64.6N 103.9E 10.0 250 U N 19910620 003462 148 80 12 USSR-WIDDLE SWAMP VERKHYAYA ANGARA 56.0N 111.0E 57.3N 112.5E 10.0 100 N N 19910505 003507 148 80 13 USSR-WIDDLE AREA AROUND CHARA 56.0N 112.6E 57.3N 113.3E 10.0 10.0 0 N 19910505 003507 148 80 13 USSR-WIDDLE AREA AROUND CHARA 56.0N 113.3E 57.3N 113.3E 10.0 10.0 0 N 19910505 003507 148 80 13 USSR-WIDDLE AREA AROUND CHARA 56.0N 113.3E 57.3N 113.3E 10.0 10.0 0 N 19910505 003507 148 80 12 USSR-WIDDLE AREA AROUND NEVON 56.3N 112.5E 57.3N 113.3E 10.0 10.0 0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA AROUND NEVON 56.3N 110.3E 10.0 10.0 0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA RADUND NEVON 57.0N 103.0E 10.0 10.0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA RADUND NEVON 57.0N 103.0E 10.0 10.0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA RADUND NEVON 57.0N 103.0E 10.0 10.0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA RADUND NEVON 57.0N 103.0E 10.0 10.0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA RADUND NEVON 57.0N 103.0E 10.0 10.0 N 19910505 003050 148 80 12 USSR-WIDDLE AREA, IRTYSH RIVR 58.4N 70.2E 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25 10.0 10.0 N 19910505 003010 148 99 25	87	79	USSR-MIDDLE	SVYATOY	53.7N	. 5E 5	3.2N 111			z		011		115	35	11
1.55R-WIDDLE	87	80	USSR-MIDDLE	SVYATOY	NO.	.0E 5	3.5N 112		2	Z	19910429	011		116	35	11
82 USSR-WIDDLE L.BAYKAL, SNOW/ICE 55.4N 103.6E 54.1N 114.2E 5 LO 250 N N 19910429 01443 145 43 89 USSR-WIDDLE PANORAMA, AGR, FIRES 55.4N 10.2E 0 LO 250 N 19910429 054658 145 145 43 126 USSR-WIDDLE RAFRA AROUND NIZHREDINSK 4.6N 99.0E 56.3N 10.250 N N 19910429 054658 145 145 43 20 USSR-WIDDLE RAFRA AROUND NIZHREDINSK 4.6N 99.0E 56.3N 10.0 0.0 20.0 N 19910505 003442 148 81 13 20 USSR-WIDDLE SAMAPI, VERKHINYAYA ANGARA 56.3N 11.0.0 57.2N 11.0.0 0.0 10.0 N 19910505 003422 148 81 13 20 USSR-WIDDLE SAMAPI, VERKHINYAYA ANGARA 56.3N 111.0.0 57.2N 11.0.0 N 19910505 003402 148 19 10 21 USSR-WIDDLE SAMAPI,	87	81	USSR-MIDDLE		. 6N	.48 5	3.8N 113		70 2	Z	91042	011		117	35	11
89 USSR-MIDDLE KAYRAKUWSKOYE RES,AGR. 37, 2N 61.2E 126 USSR-MIDDLE KAYRAKUWSKOYE RES,AGR. 37, 2N 61.2E 127 USSR-MIDDLE KAYRAKUWSKOYE RES,AGR. 37, 2N 61.2E 128 USSR-MIDDLE KAYRAKUWSKOYE RES,AGR. 37, 2N 61.2E 129 USSR-MIDDLE KAYRAKUWSKOYE RES,AGR. 37, 2N 61.2E 120 USSR-MIDDLE KAYRAKUWSKOYE RES,AGR. 37, 2N 61.2E 120 USSR-MIDDLE AREA AROUND NIZNHEUDINSK \$6.0N 111.0E 57.2N 112.6E 121 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA \$6.3N 112.6E 57.3N 112.6E 122 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 123 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 124 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 125 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 126 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 127 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 128 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 129 USSR-MIDDLE AREA AROUND CHARA \$6.3N 112.6E 57.3N 112.6E 120 USSR-MIDDLE AREA AROUND NEVON \$6.3N 112.6E 57.3N 112.6E 120 USSR-MIDDLE AREA AROUND NEVON \$6.3N 102.6E 57.0N 103.0E 0.00 0.00 0.00 0.00 0.00 0.00 0.00	87	82	USSR-MIDDLE		4. 8	9.85 5	4.1N 114		L0 2	z	91042	011	14	119	36	11
126 USSR-MIDDLE KAYRAKUMSKOF RES,AGR. 37, 28 61.2E	87	88	USSR-MIDDLE	AGR. FIRE			2N 67		^	=	91042	054	14	145	43	14
89 USSR-MIDDLE KAYARKKIMSKOYE RES,AGR. 37.2N 61.2R 0.0 260 N N 19910429 054658 145 147 43 26 USSR-MIDDLE KAYARKKIMSKOYE RES,AGR. 37.2N 61.2E 0.0 260 N N 19910429 05468 18 <th></th> <th>! •</th> <th></th> <th></th> <th></th> <th>•</th> <th></th> <th></th> <th>ı</th> <th>• •</th> <th>!</th> <th></th> <th>•</th> <th>?</th> <th>?</th> <th></th>		! •				•			ı	• •	!		•	?	?	
126 USSR-MIDDLE RAYRAKUMSKOVE RES, AGR. 37.2N 61.2E 28 USSR-MIDDLE AREA AROUND NIZHNEUDINSK 54.6N 103.0E 56.3N 101.9E 0 LO 250 N N 19910505 003424 148 80 12 13 13 13 13 13 13 15 15 10 10 100 N 19910505 003402 148 80 18 18 18 18 18 18 18 18 18 18 18 18 18	87	83	USSR-MIDDLE	PANORAMA, SE, FIRES, AGR.		5	7.3N 68	-		⊃	991042		14	147	43	14
26 USSR-MIDDLE AREA AROUND NIZHNEUDINSK 54.6N 99.0E 56.3N 101.9E 0 LO 250 N N 19910505 003424 148 80 12 27 USSR-MIDDLE SARA SOF BRATSK 55.6N 103.9E 0 LO 250 N N 19910505 003424 148 80 12 29 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA 56.0N 111.0E 57.2N 112.5E 0 LO 100 N N 19910505 003620 148 89 19 29 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA 56.3N 112.5E 57.3N 112.5E 0 LO 100 N N 19910505 003620 148 89 19 30 USSR-MIDDLE AREA AROUND CHARA 56.3N 118.3E 57.2N 121.0E 0 LO 100 N N 19910505 003020 148 99 20 47 USSR-MIDDLE AREA AROUND CHARA 56.3N 118.3E 57.2N 121.0E 0 LO 100 N N 19910505 0020730 148 95 23 48 USSR-MIDDLE AREA AROUND CHARA 56.8N 102.0E 57.0N 103.0E 0 LO 100 N N 19910505 020730 148 90 20 50 USSR-MIDDLE AREA ARACA,IRTYSH RIVYS 58.2N 62.0F 57.3N 67.9E 0 LO 100 N N 19910505 020730 148 90 25 50 USSR-MIDDLE ARALAYA BICHA,IRTYSH RIVYS 58.0N 70.0E 57.3N 67.9E 0 LO 100 N N 19910505 020730 148 97 24 99 USSR-MIDDLE ACHINSK AREA	87	126	USSR-MIDDLE	KAYRAKKUMSKOYE RES,AGR.	. 2N	-		0		z						
27 USSR-MIDDLE AREA S. OF BRATSK 55.6N 102.0E 66.6N 103.9E 0 C550 N 19910505 0.03442 148 81 13 28 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA 56.0N 11.0E 57.2N 112.5E 0 100 N 19910505 0.03462 148 81 18 29 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA 56.3N 11.6E 57.2N 12.1E 0 10.0 N 19910505 0.0362 148 99 19 30 USSR-MIDDLE AREA AROUND CHARA 56.3N 118.3E 57.2N 12.1E 0 10.0 N 19910505 0.03762 148 99 20 47 USSR-MIDDLE AREA AROUND CHARA 56.8N 118.3E 57.2N 12.0 10.0 N 19910505 0.03702 148 99 25 48 USSR-MIDDLE AREA AROUND CHARA 56.8N 102.6E 57.0N 103.0E 10.0	94	97	USSR-MIDDLE	AROU		9.0E	.3N 101.			z	19910505	00342		80		07
28 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA 56.0N 111.0E 57.2N 112.5E 0 LO 100 N N 19910505 003565 148 88 18 18 29 USSR-MIDDLE SWAMP, VERKHNYAYA ANGARA 56.3N 112.5E 57.3N 113.8E 0 LO 100 N N 19910505 003667 148 89 19 30 USSR-MIDDLE AREA ANGUND CHARA 56.3N 114.5E 57.3N 115.3E 0 LO 100 N N 19910505 003607 148 90 20 31 USSR-MIDDLE AREA AROUND CHARA 56.3N 114.5E 57.3N 115.3E 0 LO 100 N N 19910505 003607 148 90 20 31 USSR-MIDDLE AREA AROUND CHARA 56.3N 144.5E 57.3N 15.3E 0 LO 100 N N 19910505 003708 148 90 20 31 USSR-MIDDLE AREA AROUND CHARA 80.0S N 103.2E 56.7N 105.8E 0 LO 100 N N 19910505 020720 148 70 35 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N N 19910505 033047 148 90 25 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N N 19910505 033047 148 90 25 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.2N 69.0E 57.3N 69.0E 0 LO 100 N N 19910506 033106 148 90 25 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N N 19910506 033106 148 90 25 USSR-MIDDLE AREA,IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N N 19910506 033106 148 90 25 USSR-MIDDLE ACHINSK AREA,IRTYSH RIVR 58.0N 70.0E 57.3N 70.0E 0 LO 100 N N 19910506 033106 148 90 25 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.5E 15 LO 250 N N 19910429 102500 138 235 51 23 USSR-MIDDLE ACHINSK AREA 56.0N 61.5E 37.7N 67.3E 15 LO 250 N N 19910429 102500 138 233 51 23 51 23 USSR-MIDDLE CLOUDS OVER KARAKUM DESERT, KOPET MT 36.5N 61.5E 37.7N 67.3E 15 LO 250 N N 19910429 102500 138 233 51 23 51 23 USSR-MIDDLE CLOUDS OVER KARAKUM	94	27	USSR-MIDDLE	S. 0			₩9.			2	19910505			81		.07
29 USSR-MIDDLE MTNS, VALLEY W. OF MUYA	94	28	USSR-MIDDLE	SWAMP, VERKHNYAYA ANGARA	NO.	. 0E	.2N 112			z	19910505			88		.07
30 USSR-MIDDLE AREA AROUND CHARA 56.3N 114.5E 57.3N 115.3E 0 LO 100 N N 19910505 003708 148 95 23 47 USSR-MIDDLE AREA NEAR KUSTRANY 53.0N 64.0E 53.0N 64.0E 0 LO 100 N N 19910505 003708 148 95 23 48 USSR-MIDDLE AREA NEAR PETROPAVLOVSK 54.0N 64.0E 53.0N 64.0E 0 LO 100 N N 19910505 020142 148 70 3 48 USSR-MIDDLE AREA AROUND NEVON 58.8N 102.6E 57.0N 103.0E 0 LO 100 N 19910505 020730 148 95 25 00.5SR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N 19910505 030754 148 102 27 0.5SR-MIDDLE AREA IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N 19910506 033106 148 97 24 0.5SR-MIDDLE AREA IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N 19910506 033106 148 97 24 0.5SR-MIDDLE AREA IRTYSH RIVR 58.0N 70.0E 57.3N 70.2E 0 LO 100 N 19910506 033106 148 97 24 0.5SR-MIDDLE AREA IRTYSH RIVR 58.0N 70.0E 57.3N 70.2E 0 LO 100 N 19910506 033106 148 97 24 0.5SR-MIDDLE AREA IRTYSH RIVR 58.0N 70.0E 57.3N 70.2E 0 LO 100 N N 19910506 033106 148 97 24 0.5SR-MIDDLE AREA IRTYSH RIVR 58.0N 70.0E 57.3N 70.2E 0 LO 100 N N 19910506 033319 148 115 34 101 0.5SR-MIDDLE ACHINSK AREA 56.0N 90.0E 54.0N 87.6E 30 LO 100 N N 19910430 102010 141 239 53 51 0.5SR-MIDDLE CLOUDS OVER KARAKUM DESERT, KOPET MT 36.5N 61.5E 37.7N 57.3E 15 LO 250 N N 19910429 102500 138 23 51	94	53	USSR-MIDDLE	KHNYAYA	S.	. 5E	.3N 113			z	19910505			83		.07
31 USSR-MIDDLE AREA AROUND CHARA 56.8N 118.3E 57.2N 121.0E 0 LO 100 N N 19910505 003708 148 95 23 AREA NEAR KUSTANAY 53.0N 64.0E 53.0N 64.1E 0 LO 100 N N 19910505 020142 148 70 3 AREA NEAR PETROPAVLOVSK 54.0N 68.0E 54.1N 67.9E 30 LO 100 N N 19910505 020142 148 70 5 AREA NEAR REA RREA RREA RREA RREA RROUND NEVON 58.8N 102.6E 57.0N 103.0E 0 LO 100 N 19910505 020730 148 99 25 50 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N 19910505 020754 148 102 27 96 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N 19910505 033047 148 96 24 98 USSR-MIDDLE AREA, IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N 19910506 033305 148 99 25 100 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N 19910506 033339 148 115 34 101 USSR-MIDDLE KARAKUM DESERT, KOPET MT 36.5N 61.5E 37.7N 57.3E 15 LO 250 N N 19910429 102500 138 233 51 31 USSR-MIDDLE COUDS OVER KARAKUM	94	30	USSR-MIDDLE	EY W.OF MUY	S.	. 5E	.3N 115			z	991			80		.07
47 USSR-MIDDLE AREA NEAR KUSTANAY 48 USSR-MIDDLE AREA REA NEAR FETROPAVLOVSK 54.0N 68.0E 54.1N 67.9E 30 LO 100 N 19910505 0.70142 148 70 3 49 USSR-MIDDLE ANGARA RVR., N OF NEVON 58.8N 102.6E 57.0N 103.0E 0 LO 100 N 19910505 0.20754 148 102 27 50 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N 19910505 0.20754 148 102 27 90 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N 19910505 0.20754 148 102 27 91 USSR-MIDDLE MALAYA BICHA, IRTYSH RIVR 58.0N 71.0E 57.3N 69.0E 0 LO 100 N 19910506 0.33106 148 99 25 92 USSR-MIDDLE MALAYA BICHA, IRTYSH RIVR 58.0N 71.0E 57.2N 71.4E 50 LO 100 N 19910506 0.33139 148 115 34 101 USSR-MIDDLE ACHINSK AREA ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N 19910430 102010 141 239 53 3 USSR-MIDDLE KARAKUM DESERT, KOPET MT 36.5N 61.5E 37.7N 57.3E 15 LO 250 N N 19910429 102500 138 23 51 3 USSR-MIDDLE ACHOUS OVER KARAKUM 49 USSR-MIDDLE ACHOUS OVER KARAKUM 49 USSR-MIDDLE ACHOUS OVER KARAKUM 49 USSR-MIDDLE ACHOUS OVER KARAKUM	94	31	USSR-MIDDLE	AROUN	8. 8.	.3E 5	7.2N 121	ш	-	2	91		14	95		.07
48 USSR-MIDDLE AREA NEAR PETROPAVLOVSK 54.0N 68.0E 54.1N 67.9E 30 LO 100 N 19910505 520220 148 73 6 49 USSR-MIDDLE AREA AROUND NEVON 57.8N 102.6E 57.0N 103.0E 0 LO 100 N N 19910505 020754 148 102 27 50 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N N 19910505 020754 148 102 27 96 USSR-MIDDLE TOBOLSK AREA,IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N N 19910506 033047 148 95 24 98 USSR-MIDDLE ARAYA BICHA,IRTYSH RIVR 58.0N 70.0E 57.3N 70.2E 0 LO 100 N N 19910506 033106 148 97 24 99 USSR-MIDDLE ACHINSK AREA 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910506 033116 148 99 25 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910430 102010 141 239 53 3 USSR-MIDDLE COUDS OVER KARAKUM	94	47	USSR-MIDDLE	NEAR	NO.	4.0E 5	3.0N 64			z	91		14	70		80
49 USSR-MIDDLE AREA AROUND NEVON 57.8N 102.6E 57.0N 103.0E 0 LO 100 N N 19910505 020754 148 102 27 20 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 LO 100 N N 19910505 020754 148 102 27 38 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N N 19910506 033106 148 97 24 99 USSR-MIDDLE ACHINSK AREA BICHA,IRTYSH RIVR 58.0N 71.0E 57.2N 71.4E 50 LO 100 N N 19910506 033116 148 99 25 100 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910430 102010 141 239 53 3 USSR-MIDDLE CLOUDS OVER KARAKUM ESERT, KOPET MT 36.5N 69.3E 77N 57.3E 15 LO 250 N N 19910429 102500 138 23 51	94	4 80	USSR-MIDDLE	NEAR PETROPAVLOVS	NO.	8.0E	4.1N 67.	E.		Z	91050	02025	14		9	80
50 USSR-MIDDLE AREA AROUND NEVON 57.8N 103.2E 56.7N 105.8E 0 L0 100 N 19910505 0.20754 148 102 27 96 USSR-MIDDLE TOBOLSK AREA,IRTYSH RIVYS 69.0E 57.3N 67.9E 0 L0 100 N 19910506 0.33047 148 96 24 97 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVYS 69.0E 57.3N 69.0E 0 L0 100 N 19910506 0.33106 148 97 24 98 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVYS 58.4N 69.2E 57.3N 70.2E 0 L0 100 N 19910506 0.33116 148 99 25 100 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 L0 100 N 19910430 102010 141 239 55 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.3E 15 L0	94	49	USSR-MIDDLE	R., N OF		. 6E	ON 103			z	19910505			66		80
96 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.2N 69.0E 57.3N 67.9E 0 LO 100 N N 19910506 033047 148 95 24 97 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N N 19910506 033106 148 97 24 98 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.0N 71.0E 57.2N 71.4E 50 LO 100 N N 19910506 033116 148 99 25 100 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 10 LO 100 N N 19910430 102010 141 239 53 31 USSR-MIDDLE CLOUDS OVER KARAKUM PARAYA BICHA,IRTYSH RIVR 58.0N 43.3N 54.3E 90 LO 100 N N 19910429 102500 138 233 51	94	90	USSR-MIDDLE	AREA AROUND NEVON		2£	.7N 105			z	19910505			102		80
97 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.0N 70.0E 57.3N 69.0E 0 LO 100 N N 19910506 033056 148 96 24 98 USSR-MIDDLE TOBULSK AREA,IRTYSH RIVR 58.4N 69.2E 57.3N 70.2E 0 LO 100 N N 19910506 033106 148 97 24 99 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 57.7N 57.3E 15 LO 250 N N 19910430 102010 141 239 53 3 USSR-MIDDLE CLOUDS OVER KARAKUM	95	96	USSR-MIDDLE	REA, IRTYSH	58.2N	.0E	.3N 67			Z	19910506			95		25
98 USSR-MIDDLE MALAYA BICHA,IRTYSH RIVR 58.4N 69.2E 57.3N 70.2E 0 LO 100 N N 19910506 033106 148 97 24 99 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 57.7N 57.3E 15 LO 250 N N 19910430 102010 141 239 53 3 USSR-MIDDLE CLOUDS OVER KARAKUM	95	9.1	USSR-MIDDLE	CHA, IRTYSH	58.0N	. 0E	.3N 69			z	991			96		.25
99 USSR-MIDDLE ACHINSK AREA S6.0N 71.0E 57.2N 71.4E 50 LO 100 N N 19910506 033116 148 99 25 100 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 LO 100 N N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 57.3E 15 LO 250 N N 19910430 102010 141 239 53 31 USSR-MIDDLE CLOUDS OVER KARAKUM P	95	86	USSR-MIDDLE	REA, IRTYSH	58.4N	. 2E	.3N 70			Z	9			97		25
100 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 55.4N 87.6E 30 L0 100 N N 19910506 033339 148 115 34 101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 37.7N 57.3E 15 L0 250 N 19910430 102010 141 239 53 54A USSR-MIDDLE KARAKUM A3.3N 54.3E 90 L0 100 N N 19910429 102500 138 233 51	95	66	USSR-MIDDLE	CHA, IRTYSH	58.0N	.0E	.2N 71		2	z	19910506			66		.25
101 USSR-MIDDLE ACHINSK AREA 56.0N 90.0E 30 LO 100 N N S4 USSR-MIDDLE KARAKUM DESERT, KOPET MT 36.5N 61.5E 37.7N 57.3E 15 LO 250 N N 19910430 102010 141 239 53 USSR-MIDDLE CLOUDS OVER KARAKUM 43.3N 54.3E 90 LO 100 N N 19910429 102500 138 233 51	95	100	USSR-MIDDLE	ACHINSK AREA	NO.	.0E 5	.4N 87.	ш	2	z	9105	33		115		.25
54A USSR-MIDDLE KARAKUM DESERT, KOPET MT 36.5N 61.5E 37.7N 57.3E 15 LO 250 N N 19910430 102010 141 239 53 3 USSR-MIDDLE CLOUDS OVER KARAKUM 43.3N 54.3E 90 LO 100 N N 19910429 102500 138 233 51	95	101	USSR-MIDDLE	REA	9.0N			30	2	z						
3 USSR-MIDDLE CLOUDS OVER KARAKUM 43.3N 54.3E 90 LO 100 N N 19910429 102500 138 233 51 1	151	54A	USSR-MIDDLE	ESERT, KOPET	36.5N	. 5E	.7N 57.		r0	z	19910430			239	53	33
	601	က	USSR-MIDDLE	ΕR		4	.3N 54.		7	2	19910429		13	233		16

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

				L N S S	92	LAN	١							NIC		
R	F.	GEOGRAPHIC NAME	FEATURE	LAT	AT LON	LAT	LON	CC TL	FL E			- 1	A.	5	ای	S.
601	4	USSR-MIDDLE		43.0N	. 0E	40.5N	58.0E		100 N				138			9
601	ς,	USSR-MIDDLE	ARAL SEA	43.0N	. OE	40.5N	58.0E		100 N	7		102600	138			
601	9	USSR-MIDDLE	ARAL SEA	43.0N	60.5E 4	40.5N	58.0E	55 HO	100 N	N 1991	9910429 1	102600	138	240		<u> </u>
601	7	USSR-MIDDLE	AMUDAR RIVER	41.0N	62.0E 4	40.5N	58.0E	55 LO	100 N	-	9910429 1	102600	138	240	50	و و
601	80	USSR-MIDDLE	KARAKUM, MURGAB RIVER	37.5N	.0E	37.7N	61.4E		100 N		9910429 1	102700	138	247	49	9
601	თ	USSR-MIDDLE	MURGAB		. 5E	37.7N	61.4E	10 LO	100 N		19910429 1	102700	138	247	. 64	9
601	10	USSR-MIDDLE	MURGAB	37.0N	0E	37.7N	61.4E		100 N		19910429 1	102700	138	247	49	9
601	11	USSR-MIDDLE	AMUDAR	38.0N		37.7N	61.4E	15 LO	100 N		19910429 1	102700	138	247		16
601	12	USSR-MIDDLE	AMUDAR	40.0N	63.0E 3	37.7N	61.4E	15 HO	100 N		19910429 1	102700	138	247	49	16
601	13	USSR-MIDDLE	AMUDAR	41.0N		34.7N	64.5E	40 HO	100 N	N 1991	9910429 1	102800	138	253	47	16
603	13	USSR-MIDDLE	LAKE BAYKAL, IRKUTSK	53.0N	107.0E 5	51.7N 1	102.8E	20 LO	100 N		19910430 0	010700	138	105		စ
603	1.4	(ISSR-MIDDLE		3.5N	109.5E 5		109.6E	20 10	100 N	N 1991	19910430 0	010800	137		33	26
603	15	USSR-MIDDLE	BAYKAL, ICE	8	. 5E		109.6E		100 N			010800	137			56
603	16	USSR-MIDDLE	BAYKAL, ICE	54.5N	. SE		109.6E		100 N	-	9910430 0	010800	137	113		9
603	17	USSR-MIDDLE	v,	52.0N	80.5E 5	52.9N	83.6E	0 0	100 N		19910430 0	023700	137	109		27
603	18	USSR-MIDDLE	KUZNETS MTNS.	54.5N		52.9N	83.6E		100 N	N 1991		023700	137			
603	19	USSR-MIDDLE	KUZNETS MTNS.	54.5N		54.5N	89,5E	5 HO	100 N			023800	137			
604	20	USSR-MIDDLE		44.0N		44.2N	57.1E	№	250 N	N 1991		021800	136			59
604	51	USSR-MIDDLE		46.0N	59.5E 4	44.2N	57.1E	0 N	250 N		19910502 0	021800	136	81	12	6
604	25	USSR-MIDDLE	ARAL SEA, SYRDAR R. DEL.	46.0N	61.0E 4	44.2N	57.1E	№	250 N	19	910502 0	021800	136	81		59
	;		;		,								,			
604	53	USSR-MIDDLE	ARAL	46.5N	E	44.2N	57.1E	2				021800	136			56
604	54	USSR-MIDDLE	ERN ARAL SEA	46.5N	. SE	44.2N	57.1E		z			021800	136			- 69
604	55	USSR-MIDDLE	ARAL SEA, SHEVCHENKO BAY	46.5N		46.7N	61.3E		250 N	Y 1991		021900	136			59
604	26	USSR-MIDDLE	ш.	49.0N	0E	49.1N	65.9E		250 N			022000	136			<u> </u>
604	21	USSR-MIDDLE	ARKALYK, MINING OPS.	50.0N	.0E	49.1N	65.9E		250 N			022000	136			59
604	28	USSR-MIDDLE	TENGIZ LAKE	50.5N	.0E	49.1N	65.9E		250 N			022000	136	88		6
604	59	USSR-MIDDLE	IRTYSH RIVER, KACHIRY	53.0N	.0E	53.1N	76.5E		250 N	N 1991		022200	135			6
604	90	USSR-MIDDLE	LAKE BAYKAL	53.5N	. 5E				250 N			022700	135			59
604	61	USSR-MIDDLE	LAKE BAYKAL	54.0N	5E	57.1N 1	110.4E	15 LO	250 N	N 1991	19910502 0	022700	135		45	56
909	13	USSR-MIDDLE	N. LK. BAYKAL, BRATSK RES	54.0N	107.0E 5	51.1N 1	108.7E	50 HO	250 N	19	910503 2	230600	139	4		6
605	21	USSR-MIDDLE	LK. BALKHASH, KARATAL R.	46.5N	77.5E 4	47.5N	78.2E	07 0	250 N	N 1991	19910504 0	003400	139	7.7		- 06
605	22	USSR-MIDDLE	EASTERN LK. BALKHASH	46.5N	78.5E 4	47.5N	78.2E	0 0	250 N	N 1991	19910504 0	003400	139	11	10	06
909	23	USSR-MIDDLE	LK. ZAYSAN, IRTYSH RIVER	48.5N	83.5E 4	49.8N	82.9E	0 0	250 N		19910504 0	003500	139	81	13	
605	24	USSR-MIDDLE	LK. ZAYSAN, IRTYSH RIVER	49.0N	84.0E 4	49.8N	82.9E		250 N	Y 1991	9910504 0	003500	139			06
605	25	USSR-MIDDLE	N. ALTAI MTNS.	50.0N	86.0E 4	49.8N	82.9E	10 NV	250 N	-	9910504 0	003500	139	81		06
909	56	USSR-MIDDLE	LK. TELETSK, SAYAN MTNS.	51.0N	87.5E 5	51.8N	88.1E	15 LO	250 N	_	9910504 0	003600	139			06
72	32	USSR-PACIFIC	KHOTSK, CL.						250 N	z						
72	33	USSR-PACIFIC	S., TAI		151.5E				250 N	z						
7.5	34	USSR-PACIFIC		. 5N	160.0E				250	z						
72	97	USSR-PACIFIC	KAMCHATKA PENINSULA	52.0N	159.0E			50 LO	250 0	z						
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TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

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7/	ת ה	USSK-PACIFIC	KAMCHATKA, PETROPAVLOVSK	53.0N 15	159.0E		0 NV 250	z						
72	100	USSR-PACIFIC	KAMCHATKA, PETROPAVLOYSK	53.0N 15	159.0E		0 LO 250	z						
72	101	USSR-PACIFIC	KAMCHATKA, PETROPAVLOVSK	53.5N 15	158.5E		5 LO 250	Z						-
7.5	102	USSR-PACIFIC	KAMCHATKA PENINSULA		157.5E	_	9							
75	84	USSR-PACIFIC	α		131.0F 39.1N 130	4F		: =	19910428	220003	143	8	9	-
75	85	USSR-PACIFIC	LAKE KHANKA		40.5N	<u> </u>	2 5	-			143		61	, a
7.5	88	USSR-PACIFIC	KAMCHATKA DENINGIII A		5. A. C. M.		3 5) (
75	58	USSR-PACIFIC	- 1		5.4.2N		3 -	2 2					000	
7.5	6	USSR-PACIFIC	SHIVELUCH		54.5N	. 4 	3 0	. 2				121	2 6	
						!	2	:					:	•
75	91	USSR-PACIFIC	KAMCHATKA-OZERNOY BAY	57.0N 16	162.0E 55.1N 16	164.2E	20 LO 25	50 N N	19910428	221610	145	125	38	
75	85	USSR-PACIFIC	GOVENA PENINSULA-SEA ICE		55.8N		10 2	Z					39	
75	93	USSR-PACIFIC	INT. PANVETVEYSKIY MNT		56.5N		皇	z					41	. o
11	0 V	N USSR-PACIFIC	STANOVOY RANGE-RIVER				0	z					: 22	· 6
11	-	USSR-PACIFIC	STANOVOY RANGE				2	_					33 1	10
11	7	USSR-PACIFIC	STANOVOY RANGE				2	z						10
77	က	USSR-PACIFIC	STANOVOY RANGE				2	Z						10
11	4	USSR-PACIFIC	CLOUDS			-	2	z						10
11	2	USSR-PACIFIC	STANOVOY RANGE		₹9		2							10
7.7	7	USSR-PACIFIC	KAMCHATKA PENCOAST	56.0N 15	. 5N		2	z						10
77	a	2131360-03311	TO SOO STATE STATE					:						
, ,	٥	37777777		26. UN 156	. UE 55.9N		2	Z						 01
: :	n :	USSK-PACIFIC	PEN.		NO. / c		2	Z						10
: :	⊋:	USSK-PACIFIC			57.1N		2	z z						10
` '	= :	USSR-PACIFIC	IY ISLAND		57.2N		2	Z	19910428	234811 1	146 1	146 4		10
77	12	USSR-7,CTF1C	BAY-PACK ICE	58.0N 16	57.2N		2	0		234821 1		148 4	43 1	10
//	13	USSR-PACIFIC	BAY-PACK ICE			160.9E (60 LO 250	0	19910428	234836 1	146 1	150 4	44 1	10
11	14	USSR-FACIFIC	ICE		57.3N	162.2E	30 LO 250				146 1			10
77	15	USSR-PACIFIC	BERINGA ISLAND-CLOUDS		166.5E 57.3N 166	166.2E 4	40 LO 250	z	19910428	234921 1	146 1		45 1	10
11	78	USSR-PACIFIC	품	55.5N 12	128.0E 56.4N 126	126.6E	5 LO 250		19910429 (011633 1	145 1	134 4	4) 1	11
77	79	USSR-PACIFIC	ZEYSKOYE RES, - ZEYA R.	54.5N 12	129.0E 56.6N 128	8.3E	5 LO 250		19910429 (011648 1	145 1		41 1	
7.7	100	USSR-PACIFIC	ZEYSKOYE RESERVOIR	55.0N 13	130.5E 55.6N 137	137.55	25 LO 250	Z-	19910429 (025100 1	145	181	49	
11	101	USSR-PACIFIC	ZEYSKOYE RESERVOIR	S	55 ON			2						
81	0		_				2 2	: =						<u> </u>
81			_		143 1F		2	=						
81			_		142 RF			> =						
81		USSR-PACIFIC	Z		15.4 7F	•*	2	2						
81	0 T		RAMUSHIR I		155.7F		2	: 2						
81	0	USSR-PACIFIC	MON		158.5E		2	: z						
81	0	USSR-PACIFIC	KAMCHATKA-AVACHINSKAYA B		158.6E			z						
81	3	USSR-PACIFIC			96.66		9	2						
														7

TABLE 4-4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

	1			CENTER	NADIR	,			SUN	;	
¥	ž	- 1		_	LAI LON		DATE	¥	A2	1	š
81	× 0		KAMCHATKA-C.SHIPUNSKIY	. 4N		LO 250 N					
81	≻	USSR-PACIFIC	KAMCHATKA-CENT.VAL,V.DK	54.7N 158.9E		15 LO 250 U N					
81	OAD		KAMCHATKA-C.SHIPUNSKIY	.5N 158.0		오					
	29AE		CRATER, MTNS, SNOW/ICE			LO 250 N					
	8		KAMCHATKA PEN VOLCANOS	54.8N 160.5E	55.8N 163.9	LO 250 N N 1	9910429 22102	1	123	r,	25
86	σ	USSR-PACIFIC		4.8N 160	56.0N 164	250 N N 1	~	9 145	124	37	25
98	10	USSR-PACIFIC		160	56.4N 167.6	LO 250 N N 1			127	ထ	25
	67	USSR-PACIFIC		.8N 155	49.4N 153.	LO 250 N N 1			204		28
	68	USSR-PACIFIC	OSTRC ONEKOTAN	154	49.2N 153	LO 250 N N 1			205	52	28
	63	USSR-PACIFIC		.2N 131	41.4N 133.2	LO 250 U	9910428 220956	14	83	21	<u></u>
87	64	11958-PACTFTC	MOUNTAINS CLOUD CELLS		41 QN 133 RF	10 250 N N 1	9910428 221006	144	6	22	σ
	. 99	IISSR-PACTETC	KA	45 1N 132 2F	42 6N 134 9	10 250 H N 1	910428	1 4	5	22	σ
	67	USSR-PACIFIC	LAKE KHANKA	7N 132	43.0N 135.4	250 U N	9910428 221031		91	23	0
	99	USSR-PACIFIC	KUNASHIR IS. KURILE IS.	146		LO 250 U N					
	32	USSR-PACIFIC	JF ZEYA	127	56.6N 129.3	LO 100 N N 1	9910505 00381	19 148	102	27 10	07
94	33	USSR-PACIFIC	LG.LK.N.OF ZEYA	54.6N 127.0E	56.5N	-	9910505 003832	32 148	104	28 1(107
	34	USSR-PACIFIC	COAST, KHREBET DZHUGDZHUR	55.8N 136.4E	သ	NV 100 N	9910505 003921	1 148	109	31 10	07
	35	USSR-PACIFIC	COAST, PACK ICE, SAKHALIN	53.0N 144.0E	53.6N	LO 100 N	910505		120	36 1(107
	36	USSR-PACIFIC	OSTROV ONEKOTAN ISLAND	49.5N 154.8E	50.1N 155.	100 N N			133		107
94	51	USSR-PACIFIC	S. TIP SAKHALIN	46.0N 142.0E	46.4N 139.5E	LO 100 N N 1	9910505 021352	147	145	48 1	108
151	170	JISCO-DACTETC	CHADION VIGATIVE	58 ON 180 EC	56 ON 160 OF	-	0010430 220312	1 1 4 4	113	23	
	0 0	USCB-DACTET	DETAINT OF CAMO		56.0N 100.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	000000000000000000000000000000000000000		7 .	, ,	-
	2 6	USSN-TACITIC	2012	2 .		LO 230 R	001010	٠,			-
	7 5	USSK-PACIFIC	LENA KIVEK, VILTUT PLAIN		N1 . 72	100 N	9910430 024100	151 00	041		77
	17	USSK-PACIFIC	, VILTUT	1.UN 124.	501 NI.70	N N 001 OH	910430		140		- 6
	2.4	USSK-PACIFIC	, IAIAR	46.0N 142.0E	45.8N 137.5	LO 100 N N		-	219		28
	52	USSR-PACIFIC	. IA!A		3.2N 141	HO 100 N N	910430	-	228		82
	92	USSR-PACIFIC	VORTICES, TATAR		43.2N 141	HO 100 N N	910430		228	23	28
	φ :	USSK-PACIFIC	CUASI, KURYAR KANGE	5	791 NS 00	N N 062 07			125		0 :
	49	USSR-PACIFIC	COAST, KORYAK RANGE	1.5N 173	57.1N 174.6	LO 250 N Y	10501	13	133	0	99
902	14	USSR-PACIFIC	DZHUGDZHUR RANGE	56.0N 136.0E		15 LO 250 N N 19	9910503 231100	139	116	34	 68
909	18	USSR-PACIFIC	TAUYSK GULF, ICE FLOWS	59.0N 153.0E	56.7N 154.5E		19010503 231300	00 139	131	41	<u>.</u> و
605	19	USSR-PACIFIC	KAMCHATKA PEN., W. COAST	57.0N 156.0E	56.7N 154.5E	LO 250 N N	19910503 231300	139	131	41	89
605	20	USSR-PACIFIC	KAMCHATKA PEN., W. COAST	56.0N 156.5E		LO 250 N Y 1	9910503 231300		131	41	39
609	-	USSR-PACIFIC	Æ	091 NC	55.1N 161.	LO 250 N N			137	45 10	105
609	7	USSR-PACIFIC	KAMCHATKA, KRONOTSK PEN.	54.5N 161.5E		LO 250 N N	19910504 231000	141	137	45 1(90
609	က	USSR-PACIFIC	KAMCHATKA, SHIPUNSK PEN.	₹	55.1N 161.	LO 250 N N			137		105
	46	USSR-PACIFIC	, VOLCANDE	.5N 161	54.3N 152.	LO 250 N N			110		40
	47	USSR-PACIFIC	_	.5N 161	54.3N 152.	LO 250 N Y 1			110		\$ 0
610	4 8	USSR-PACIFIC	, VOLCANDES	.5N 161	55.6N 159.2	LO 250 N Y 1	10430 2		117		40
612	9	USSR-PACIFIC	KAMCHATKA, KRONOTSK LK.	54.0N 159.0E	55.2N 161.3E	25 LO 100 N N 19	9910429 221000	138	121		24

TABLE 4-4.- STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Continued)

1 1 1 1 1 1 1 1 1 1 1 1					CENTER	NADIR						SUN		Γ
USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 54.0N 188.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.0N 160.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.0N 160.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.0N 160.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.0N 160.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.5N 162.05 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.5N 162.05 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.5N 162.05 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.5N 163.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.5N 163.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 56.5N 163.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 168.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 168.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 168.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 168.06 55.2N 161.3E 30 L0 100 N N L USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 163.06 56.3N 168.06 50 N N L N CRINCA COUR OF VINEZUELA 11.0N 10.0N 70.	=	æ.	GEOGRAPHIC NAME		LAT LON	AT LON	-	ᆈ	-	- 1	ļ	İ	l	e E
8 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 182.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 182.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 182.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 182.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 180.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 180.0E 55.2N 161.3E 30 L0 1000 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 U N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 160.0E 55.2N 161.3E 35 L0 100 U N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 163.0E 56.3N 168.0E 50 H0 100 U N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 163.0E 56.3N 168.0E 50 H0 100 U N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 100.0N 50.0M 7.1N 56.2M 40 L0 250 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N 106.0E 54.0N 100.0N	612	7	USSR-PACIFIC	. KRONOTSK	4.0N 158	E 55.2N 161.	30 00	Z	19910429	21000		_		24
9 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 30 L0 1000 N N I I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 160.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 162.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 162.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC RAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC RAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.2N 161.3E 35 L0 1000 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.3N 168.0E 50 H0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.3N 168.0E 50 H0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.3N 168.0E 50 H0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.3N 168.0E 50 H0 100 N N I USSR-PACIFIC BERINGA/MEDNYY 15LANDS 54.0N 186.0E 55.3N 168.0E 50 H0 100 N N I USSR-PACIFIC BERINGA/MEDNY 15LANDS 54.0N 163.0E 55.3N 168.0E 50 H0 100 U N I USSR-PACIFIC BERINGA/MEDNY 15LANDS 54.0N 163.0E 55.3N 168.0E 50 N N I WENZUELA GULF OF VINEZUELA GULF O	612	œ	USSR-PACIFIC	, KRONOTSK	4.0N 159	E 55.2N 161.	30 LO		19910429	221000 1	138	121		24
10 USSR-PACIFIC KAWCHATKA, KRONOTSK LK. 55.0N 160. DE 55.2N 161.3E 30 LO 100 N N N I I USSR-PACIFIC KAWCHATKA, KRONOTSK LK. 55.0N 160. DE 55.2N 161.3E 35 LO 100 N N N I I USSR-PACIFIC KAWCHATKA, KRONOTSK LK. 55.0N 162. DE 55.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC KAWCHATKA, KRONOTSK LK. 55.0N 162. DE 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC KAWCHATKA, KRONOTSK LK. 55.0N 163. DE 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC KAWCHATKA, KRONOTSK LK. 55.0N 163. DE 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.3N 160. DE 50 N N N N I USSR-PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.3N 160. DE 50 N N N N N WENZUELA 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.3N 160. DE 50 N N N N WENZUELA 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.3N 160. DE 50 N N N N WENZUELA 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.3N 160. DE 50 N N N N WENZUELA 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 54.0N 163. DE 56.3N 160. DE 50 N N N N WENZUELA 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 0.0SN PACIFIC DERINGA/WEDNY ISLANDS 0.0SN PACIFIC DERINGA/WEDNY PACIFICA 0.0SN PACIFICA	612	O	USSR-PACIFIC	, KRONOTSK	9.0N	55.2N 161.	30 00	z	19910429	221000	138	121	36	24
11 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 162.0E 55.2N 161.3E 35.00 100 N N I I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 162.0E 55.2N 161.3E 35.10 100 N N I I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 162.0E 55.2N 161.3E 30.10 100 N N I I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 162.0E 55.2N 161.3E 30.10 100 N N I I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 163.0E 55.2N 161.3E 30.10 100 N N I I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 55.0N 167.0E 55.2N 161.3E 30.10 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 56.0N 167.0E 55.2N 161.3E 35.10 100 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 161.3E 35.10 100 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.00 10 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.00 10 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.00 10 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0D 0 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0D 0 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0D 0 N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 168.0E 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 163.0E 65.3N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 56.0N 163.0E 65.3N 163.0E 65.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 50.0N 163.0E 65.3N 163.0E 65.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 50.0N 163.0E 65.3N 163.0E 65.3N 163.0E 60.0D 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 50.0N 163.0E 65.3N 163.0E 60.0D 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 50.0N 163.0E 65.3N 163.0E 65.3N 163.0E 60.0D 50.0N N I USSR-PACIFIC BERINGA IS. KAMCHATKA 50.0N 163.0E 60.0D 50	612	10	USSR-PACIFIC	, KRONOTSK	5.0N 161.	55.2N 161.	30 LO	z	19910429	221000 1	138			4.
12 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.0N 162.0E 55.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 162.0E 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 55.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 55.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 55.2N 161.3E 35 LO 100 N N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 160.0E 50.0D N N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 160.0E 50.0D N N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 163.0E 56.3N 160.0E 50.0D N N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 163.0E 56.3N 160.0E 50.0D N N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 163.0E 56.3N 160.0E 50.0D N N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 163.0E 56.3N 160.0E 50.0D N N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 160.0M 10.0D N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 160.0M 10.0D N N I USSR-PACIFIC BERINGA 15., KAMCHATKA 54.0N 160.0M 10.0D N N I USSR-PACIFIC 15., KAMCHATKA 10.0N 10.0D 10.0D 10.0D N N I USSR-PACIFIC 10.0N 10.0D 10.0D 10.0D N I USSR-PACIFIC 10.0N 10.0D	612	11	USSR-PACIFIC	, KRONOTSK	5.0N 160.	55.2N 161.	35 LO	z	19910429	221000 1	138	121	36 2	24
13 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 162.0E 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 162.0E 55.2N 161.3E 30 LO 100 N N N I USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 162.0E 55.2N 161.3E 30 LO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 168.0E 55.2N 161.3E 30 LO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 168.0E 55.2N 161.3E 30 LO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 168.0E 55.3N 161.3E 30 LO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N I USSR-PACIFIC BERINGA/MEDNY MENCO DELTA-BOCG GRAND 9.0N 60.8W 7.1N 56.2W 40 LU 250 N N I USSR-PACIFIC BERINGA/MEDNA FILE I HON I LCHOK PILAMA DA NANG-PERINGA/MEDNA 2.7N 56.8W 40 LU 250 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 56.8W 40 LU 250 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 56.8W 103.7E 50 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 60.8W 7.1N 65.2W 40 LU 250 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 60.8W 7.1N 63.2W 10.0.50 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 60.8W 7.1N 63.2W 10.0.50 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 60.8W 7.1N 63.2W 10.0.50 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 60.8W 7.1N 63.2W 10.0.50 N N I USSR-PACIFIC BERINGA/MEDNA 2.7N 60.8W 10.2M 60.0 M N I MESTERN SAHARA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	612	12	USSR-PACIFIC	, KRONOTSK	5.0N 162	55.2N 161.	35 LO	z	19910429	221000 1	138	121	36	4.
14 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 163.5E 55.2N 161.3E 30 LO 100 N N I 15 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 30 LO 100 N N I 16 USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 168.0E 55.2N 161.3E 35 LO 100 N N I 18 USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 168.0E 55.2N 161.3E 35 LO 100 U N I 18 USSR-PACIFIC BERINGA/MEDNY ISLANDS 54.0N 168.0E 55.2N 161.3E 35 LO 100 U N I 18 USSR-PACIFIC BERINGA/MEDNY ISLANDS 54.0N 168.0E 55.2N 161.3E 35 LO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 169.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 169.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 50 HO 100 U N I 18 USSR-PACIFIC BERINGA IS., WADD HUNKS, COAST 14.1N 109.2E 48.3N 163.0E 50 U D 250 N Y 100 USSLAVIA 113.0E 69.3N 163.0E 50 U D 250 N Y 100 USSLAVIA 113.0E 48.3N 163.0E 50 U D 250 N Y 100 USSLAVIA 113.0E 60 U D 250 N N I 18.0E 60 U D 250 N N I 18.0E 60 U D 250 N N I 18.0E 60 U D 250 N N I 18.0E 60 U D 250 N N I 18.0E 60 U D 250 N N I 18.0E	612	13	USSR-PACIFIC	, KRONOTSK	5.5N 162	55.2N 161.	35 10	2	19910429	221000 1	138		36	24
15 USSR-PACIFIC KAMCHATKA, KRONOTSK LK. 55.5N 163.0E 55.2N 161.3E 30 LO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 55.0N 167.0E 55.2N 161.3E 30 LO 100 N N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 55.0N 167.0E 55.2N 161.3E 35 LO 100 U N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 55.2N 161.3E 35 LO 100 U N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 55.3N 168.0E 50 HO 100 U N I USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 U N I USSR-PACIFIC BERINGA/MEDNA	612	14	USSR-PACIFIC	, KRONOTSK	5.5N 162.	55.2N 161.	30 LO	z	19910429				36 2	24
15 USSR-PACIFIC BERINGA/MEDNYY ISLANDS 55.0N 167.0E 55.2N 161.3E 35 LO 100 N N N N N N N N N N N N N N N N N N	612	15	USSR-PACIFIC	, KRONOTSK	5.5N 163.	55.2N 161.	30 LO	z	19910429	221000 1	138		36	24
17 USSR-PACIFIC BERINGA/MEDNYY ISLANDS 54.0N 168.0E 55.2N 161.3E 35 LO 100 U N 1 163.0E 55.2N 161.3E 35 LO 100 U N 1 163.0E 55.2N 161.3E 35 LO 100 U N 1 163.0E 55.2N 161.3E 35 LO 100 U N 1 163.0E 55.2N 168.0E 50 HO 100 U N 1 163.0E 56.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 163.0E 50.3N 168.0E 50 HO 100 U N 1 164.0E 50.0E 50 HO 100 U N 1 164.0E 50.0E 50 HO 100 U N 1 164.0E 50 HO 100 U N 1 164.0E 50.0E 50.0E 50 HO 100 U N 1 164.0E 50	612	16	USSR-PACIFIC	WEDNYY ISLAN	5.0N 167.	E 55.2N 161.	35 LO	z	19910429	221000 1			36	24
18 USSR-PACIFIC BERNIGA/MEDNYY ISLANDS 54.0N 168.0E 55.2N 161.3E 35 LO 100 UN N 1 19 USSR-PACIFIC BERNIGA MEDNYY ISLANDS 54.0N 163.0E 56.3N 168.0E 50 HO 100 UN N 1 20 USSR-PACIFIC BERNIGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 UN N 1 3 VENEZUELA GULF OF VENEZUELA 10.5N 70.0W 70 USSR-PACIFIC GULF OF VENEZUELA 11.0N 70.0W 70 USSR-PACIFIC GULF OF VENEZUELA 11.0N 70.0W 65.3N 168.0E 50 HO 100 UN N 1 3 VENEZUELA CRINOCO DELTA-BOCA GRAND 8.7N 60.7W 7.7N 56.5W 40 10.250 N V 1 4 VENEZUELA CRINOCO DELTA-BOCA GRAND 9.0N 60.8W 7.1N 56.2W 40 10.250 N V 1 4 VENEZUELA CRINOCO DELTA-BOCA GRAND 9.0N 60.8W 7.1N 56.2W 40 10.250 N V 1 4 VIETNAM COAST 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 105.0E 9.5N 103.7E 10.0N 103	612	17	USSR-PACIFIC	MEDNYY ISLAND	4.0N 168.	55.2N 161	E 35 LO	z	19910429	221000 1	138	121	36	24
19 USSR-PACIFIC BERRINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N 10 USSR-PACIFIC BERRINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N 10 USSR-PACIFIC BERRINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N 10 USSR-PACIFIC BERRINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 N N 10 USSR-PACIFIC GULF OF VERZUELA 10.5N 70.0W 65.4N 40 10.50 N N 10 USSR-PACIFIC GULF OF VERZUELA 10.5N 70.0W 65.6W 40 10.20 N N 10	612	18	USSR-PACIFIC	FEDNYY ISLAND	4.0N 168	55.2N 161	35 10	=	19910429				36	24
20 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 UN N 1 21 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 UN N 1 21 USSR-PACIFIC BERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 UN N 1 22 USSR-PACIFIC GULF OF VETEZUELA 10.5N 70.0W 65.0W 7.0 HO 250 N N 1 22 VENEZUELA GULF OF VETEZUELA 11.0N 70.0W 60.7W 7.7N 56.5W 40 1.0 250 N N 1 24 VENEZUELA MEKONG DELTA-BOCA GRAND 9.0N 60.3W 7.1N 56.5W 40 1.0 250 N V 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	612	19	USSR-PACIFIC	S., KA	4.0N 163.	56.3N 168	50 HO	z	19910429					24
21 USSR-PACIFIC GERINGA IS., KAMCHATKA 54.0N 163.0E 56.3N 168.0E 50 HO 100 UN 193 VENEZUELA GLUE OF VENEZUELA 10.5N 70.0W 70.0	612	20	USSR-PACIFIC	IS.,	4.0N 163	56.3N 168.	50 HO	z	19910429	221100 1	138		39 2	24
93 VENEZUELA GULF OF VENEZUELA 10.5N 70.0W 66 HO 250 N N 0 24 VENEZUELA GULF OF VENEZUELA 11.0.5N 70.0W 69 VENEZUELA GULF OF VENEZUELA GULF OF VENEZUELA GUROCO DELTA-BOCA GRAND 8.7N 60.7W 7.7N 56.6W 40 17.250 N N 1 24 VENEZUELA GRINOCO DELTA-BOCA GRAND 9.0N 60.8W 7.1N 56.2W 40 17.250 N N 1 42 VIETNAM CORNOCO DELTA-BOCA GRAND 9.0N 106.0E 45 LO 250 N N 1 41 VIETNAM DA NANG, PENTA, MEKONG RIVER DELTA 10.0N 108.2E 16.9N 107.4E 85 LO 250 N N 1 42 VIETNAM CST, RE 1.1N N 1.CHOMG PT 12.1N 109.2E 16.9N 108.7E 50 UV 250 N N 1 44 VIETNAM CST, RE 1.1N N 1.CHOMG PT 12.1N 109.2E 9.5N 113.3E 60 LO 250 N N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	612	21	USSR-PACIFIC	15.,	4.0N	56.3N 168	50 HO	\supset	19910429	221100	138	129	39	24
94 VEREZUELA GULF OF VEREZUELA CRINOCO DELTA-BOCA GRAND 23 VEREZUELA CRINOCO DELTA-BOCA GRAND 24 VENEZUELA CRINOCO DELTA-BOCA GRAND 26 VENEZUELA GRINOCO DELTA-BOCA GRAND GO 7W 7.7N 56.6W 40 10 250 N Y 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.2	93	VENEZUELA	>	.5N 70.	3	오	z						
23 VENEZUELA CRINOCO DELTA-BOCA GRAND 8.7N 60.7W 7.7N 56.6W 40 17 250 N Y 1 4 VIETURAM ORINOCO DELTA-BOCA GRAND 9.0N 60.8W 7.1N 56.2W 40 L0 250 N Y 1 4 VIETURAM DA NANG PENIN, ARFLDS 16.0N 106.0E 45 L0 250 N N 1 4 VIETURAM COST. TRE 1.40N 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	22	94	VEREZUELA	>	№	3	皇	z						
24 VEETURAM ORINOCO DELTA-BOCA GRAND 9.0N 60.8W 7.1N 56.2W 40 LO 250 N 10 42 VIETNAM MEKONG RIVER DELTA 10.0N 106.0E 45 LO 250 N N 41 TETNAM CCAST 19.1N 105.7E 18.9N 107.4E 85 LO 250 N N 42 VIETNAM SE CST PANORAMA 20.5N 108.2E 15.9N 109.4E 50 NV 250 N N 45 VIETNAM SE CST PANORAMA 20.5N 108.2E 15.9N 109.4E 50 LO 250 N N 45 VIETNAM SCST,TRE 1.HON I., CHONG PT 12.1N 109.2E 50 LO 250 N N 1 0 VIETNAM SAIN TO CAP BLANC 17.7N 64 W 17.1N 62.3W 10 HO 250 N N 1 1 N 1 10.0N 15.2W 50 LO 250 N N 1 N 1 10.0N 10.0N 1 1 10.0N 1 1 10.0N 1 1 10.0N 1 1	85	23	VENEZUELA	DELTA-BOCA	.7N 60.	7.7N 56.	(- O+	2	19910430	192648		_		39
42 VIETNAM MEKONG RIVER DELTA 10.0N 106.0E 40 VIETNAM COAST 41 TETNAM COAST 42 VIETNAM A2 VIETNAM A2 VIETNAM A2 VIETNAM A2 VIETNAM A2 VIETNAM A3 LOAGE A4 VIETNAM A5 LOAGE A5 VIETNAM A6 LOAGE A7 LOAGE A7 LOAG	85	24	VENEZUELA	DELTA-80CA	9.0N	7.1N 56	40 10	z	19910430	192659 1	137	281	36	39
41 'IETNAM SE CST PANORAMA 2 C.5N 105.7E 18.9N 107.4E 85 LO 250 N N 1 4	27	42	VIETNAM	VER	№	ш	2 CO	20						
41 'TETNAM BANG, PENIN, ARFLDS 16.0N 108.2E 16.9N 108.7E 50 NV 250 N N 1 42 VIETNAM SE CST PANORAMA 20.5N 108.2E 16.9N 108.7E 50 NV 250 N N 1 43 VIETNAM SE CST PANORAMA 20.5N 108.2E 16.9N 109.4E 50 LO 250 N N 1 44 VIETNAM SE CST PANORAMA 20.5N 12.1N 109.2E 9.5N 113.3E 60 LO 250 N N 1 45 VIETNAM SAINT CROIX		40	VIETNAM	10457	1N 105	18.9N 107	85 10		19910503	070257	136	228	63	- 62
11 WESTERN SAHARA SECST PRINCIPLE SCIN NOTE 12.1N 109.2E 9.5N 113.3E 60 LO 250 N N 1 1 WESTERN SAHARA CST,TRE I,HON I,CHONG PT 12.1N 109.2E 9.5N 113.3E 60 LO 250 N N 1 1 WESTERN SAHARA VIEW TO CAP BLANC 17.7N 64. W 17.1N 62.3W 15 LO 250 N N 1 1 WESTERN SAHARA TINDOUF SYNCLINE,DESERT 26.0N 11.0W 20.6N 15.2W 5 HO 250 N N 1 64. W 17.1N 62.3W 15 LO 250 N N 1 1 WESTERN SAHARA TINDOUF SYNCLINE,DESERT 26.0N 11.0W 20.6N 15.2W 5 HO 250 N N 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4	41	TETNAM	٢	2	16 QN 108	2 0 5		19910503					
50 VIETNAM S. OF MEKONG DELTA 11 WESTERN SAHARA S. OF MEKONG DELTA 12 IN 109.2E 9.5N 113.3E 60 LO 250 N N 1 14 WESTERN SAHARA VIEW TO CAP BLANC 15 WESTERN SAHARA VIEW TO CAP BLANC 16 WADI SARN, WADI AMD 16 ON 48 4E 16.3N 48.1E 0 NV 250 N N 1 17.9N 9.3W 10 HO 250 N N 1 18.0N 7 1) «	42	VIETNAM	SE COT DANDRAMA	2 4	15 9N 109	2 2 2	2	19910503				, ~	. 0
5. VIETNAM 5. OF MEKONG DELTA 19. VIRGIN ISLANDS 11 WESTERN SAHARA 19 VIRGIN ISLANDS 11 WESTERN SAHARA 19 VIRGIN ISLANDS 11 WESTERN SAHARA 19 VIRGIN ISLANDS 11 WESTERN SAHARA 19 VIRGIN ISLANDS 11 WESTERN SAHARA 11 WESTERN SAHARA 11 WESTERN SAHARA 12 VIRGIN ISLANDS 11 WESTERN SAHARA 12 VIRGIN ISLANDS 13 WESTERN SAHARA 14 WADI SARR, WADI AMD 15 WADI ABLIG NOW 20.6N 15.2W 5 HO 250 N V 1 15 N Y 12 MILL ON 20.6N 15.2W 5 HO 250 N V 1 15 N Y 12 MILL ON 20.6N 15.2W 5 HO 250 N V 1 15 N Y 10 MADI HUWAYRAH, CST, AFLD 14.5N 49.5E 13.5N 49.8E 60 LO 250 N V 1 15 N Y 10 MADI HUWAYRAH, CST, AFLD 14.5N 49.5E 13.5N 49.8E 60 LO 250 N V 1 15 N Y 10 MILL ON 20.5E 48.3N 17.7E 70 LO 250 N V 1 17 SARD BURES, COAST 45.0N 21.0E 48.3N 17.7E 70 LO 250 N V 1 17 SARD HODME ZOVASARHELY, SZEGED 46.5N 20.5E 48.3N 17.7E 80 LO 250 N V 1 17 SARD RIVER, DANUBE, CLOUDS 45.0N 21.0E 48.2N 18.8E 80 LO 250 N V 1 18 N Y 10 MILL ON 20.5E 47.7N 18.8E 80 LO 250 N V 1 18 N Y 10 MILL ON 20.5E 46.5N	4	. 42 1 (2)	VIETNAM	CHONG	2 1N 109	9.5N 113	9 0	: z						
19 VIRGIN ISLANDS SAINT CRIX 11 WESTERN SAHARA VIEW TO CAP BLANC 11 WESTERN SAHARA VIEW TO CAP BLANC 11 WESTERN SAHARA VIEW TO CAP BLANC 11 WESTERN SAHARA VIEW TO CAP BLANC 11 WESTERN SAHARA TINDOUF SYNCLINE, DESERT 26.0N 11.0W 20.6N 15.2W 5 HO 250 N Y 1 60 YEMEN (ADEN) SAND DUNES, COAST 14.0N 48.2E 14.5N 49.2E 25 LO 250 N Y 1 62 YEMEN (ADEN) SAND DUNES, COAST 14.1N 48.2E 14.3N 49.3E 30 LO 250 N Y 1 63 YEMEN (ADEN) WADI HUWAYRAH, CST, AFLD 14.5N 49.5E 13.5N 49.8E 60 LO 250 N Y 1 64 YUGOSLAVIA CLOUDS YUGOSLAVIA TISA RIVER, DANUBE, CLOUDS 45.0N 21.0E 48.3N 17.7E 70 LO 250 N Y 1 75 RIVER, DANUBE, CLOUDS 45.0N 21.0E 48.2N 18.0E 85 LO 250 N Y 1 75 RIVER, DANUBE, CLOUDS 45.0N 21.0E 47.7N 18.8E 80 LO 250 N Y 1 75 RIVER, DANUBE, CLOUDS 45.0N 21.0E 47.7N 18.8E 80 LO 250 N Y 1 75 RIVER, DANUBE RIVER, 44.0N 16.0E 47.7N 16.9E 40.0N 20.5E 47.7N 18.9E 80 LO 250 N N 1 75 RIVER, DANUBE RIVER, 44.0N 16.0E 47.7N 16.9E 40.0N 20.5E 47.7N 18.9E 80 LO 250 N N 1 75 RIVER, DANUBE RIVER, 44.0N 16.0E 43.11 16.9E 40.0N 10.0E	151	200	VIETNAM	2	5N 105	8.1N 102	25 10	2		. ~				- 2
11 WESTERN SAHARA VIEW TO CAP BLANC 63 WESTERN SAHARA TINDOUF SYNCLINE, DESERT 26.0N 11.0W 20.6N 15.2W 5 HO 250 N Y 1 60 V YEMEN (ADEN) 61 (*EMEN (ADEN)) 62 YEMEN (ADEN) 63 YEMEN (ADEN) 64 (*EMEN (ADEN)) 65 YEMEN (ADEN) 65 YEMEN (ADEN) 65 YEMEN (ADEN) 66 YEMEN (ADEN) 67 YEMEN (ADEN) 68 YUGOSLAVIA 68 YUGOSLAVIA 69 YUGOSLAVIA 69 YUGOSLAVIA 60 YEMEN (ADEN) 61 (*EMEN (ADEN)) 62 YEMEN (ADEN) 63 YEMEN (ADEN) 64 YUGOSLAVIA 65 YEMEN (ADEN) 65 YEMEN (ADEN) 66 YUGOSLAVIA 67 YUGOSLAVIA 68 YUGOSLAVIA 69 YUGOSLAVIA 69 YUGOSLAVIA 69 YUGOSLAVIA 60 YUGOSLAVIA 60 YUGOSLAVIA 61 YUGOSLAVIA 62 YUGOSLAVIA 63 YUGOSLAVIA 64 YUGOSLAVIA 65 YUGOSLAVIA 65 YUGOSLAVIA 65 YUGOSLAVIA 66 YUGOSLAVIA 67 YUGOSLAVIA 68 YUGOSLAVIA 69 YUGOSLAVIA 69 YUGOSLAVIA 69 YUGOSLAVIA 60 YUGOSLAVIA 60 YUGOSLAVIA 61 YUGOSLAVIA 61 YUGOSLAVIA 62 YUGOSLAVIA 63 YUGOSLAVIA 64 YUGOSLAVIA 65 YUGOSLAVIA 65 YUGOSLAVIA 65 YUGOSLAVIA 66 YUGOSLAVIA 66 YUGOSLAVIA 67 YUGOSLAVIA 77 YUGOSLAVI	85	19	VIRGIN ISLANDS	SAINT CROIX	7N 64	17.1N 62	15 10	: z	19910430					36
63 WESTERN SAHARA TINDOUF SYNCLINE, DESERT 26.0N 11.0W 20.6N 15.2W 5 HO 250 N N 1 60 YEMEN (ADEN) SAND DUNES, COAST 14.0N 48.4E 16.3N 48.1E 0 NV 250 N N 1 62 YEMEN (ADEN) SAND DUNES, COAST 14.1N 48.2E 14.3N 49.3E 25 LO 250 N Y 1 63 YEMEN (ADEN) WADI HUMAYRAH, CST, AFLD 14.5N 49.5E 13.5N 49.8E 60 LO 250 N Y 1 7 CP BTWN DANUBE & TISA R. 46.0N 19.5E 48.3N 17.7E 70 LO 250 N Y 1 7 CLOUDS 45.0N 20.5E 48.3N 17.7E 70 LO 250 N Y 1 7 SAND DUNES, COAST 45.0N 19.5E 48.3N 17.7E 70 LO 250 N Y 1 7 SAND CLOUDS 45.0N 20.5E 48.3N 17.7E 70 LO 250 N Y 1 7 SAND CLOUDS 45.0N 20.5E 48.3N 17.7E 70 LO 250 N Y 1 7 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N Y 1 7 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N Y 1 7 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 7 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7N 18.8E 80 LO 250 N N 1 8 SAND CLOUDS 45.0N 20.5E 47.7	75	11	WESTERN SAHARA	CAP		17.9N 9	10 HG	z	19910428	_				2
60 YEMEN (ADEN) 61 (EMEN (ADEN) 62 YEMEN (ADEN) 63 SAND DUNES, COAST 63 YEMEN (ADEN) 64 YEAREN (ADEN) 65 YEMEN (ADEN) 65 YEMEN (ADEN) 66 YEMEN (ADEN) 67 YEMEN (ADEN) 68 YUGOSLAVIA 69 YUGOSLAVIA 60 YEMEN (ADEN) 60 YEMEN (ADEN) 61 YEMEN (ADEN) 62 YEMEN (ADEN) 63 YEMEN (ADEN) 64 YUGOSLAVIA 65 YEMEN (ADEN) 65 YUGOSLAVIA 66 YUGOSLAVIA 67 YUGOSLAVIA 68 YUGOSLAVIA 69 YUGOSLAVIA 60 YUGOSLAVIA 60 YUGOSLAVIA 60 YUGOSLAVIA 60 YUGOSLAVIA 61 YUGOSLAVIA 62 YUGOSLAVIA 63 YUGOSLAVIA 64 YUGOSLAVIA 65 YUGOSLAVIA 66 YUGOSLAVIA 66 YUGOSLAVIA 67 YUGOSLAVIA 67 YUGOSLAVIA 68 YUGOSLAVIA 69 YUGOSLAVIA 69 YUGOSLAVIA 60 YUGOSLAVIA	83	63		TINDOUF SYNCLINE, DESERT	6.0N 11.	20.6N 15.	2 9	0	19910429	_				21
61 (FMEN (ADEN) SAND DUNES, COAST 62 YEMEN (ADEN) SAND DUNES, COAST 63 YEMEN (ADEN) SAND DUNES, COAST 63 YEMEN (ADEN) WADI HUWAYRAH,CST,AFLD 64 YES 13.5N 89 YUGOSLAVIA CP BTWN DANUBE & TISA R. 46.0N 91 YUGOSLAVIA CLOUDS 91 YUGOSLAVIA CLOUDS 92 YUGOSLAVIA TISA RIVER,DANUBE,CLOUDS 45.0N 93 YUGOSLAVIA TISA RIVER,DANUBE,CLOUDS 45.0N 94 YUGOSLAVIA BELGRADE, DANUBE RIVER 95 YUGOSLAVIA BELGRADE, DANUBE RIVER 96 YUGOSLAVIA BELGRADE, DANUBE RIVER 97 YUGOSLAVIA BELGRADE, DANUBE RIVER 97 YUGOSLAVIA BELGRADE, DANUBE RIVER 98 YUGOSLAVIA BELGRADE, DANUBE RIVER 99 YUGOSLAVIA BELGRADE, DANUBE RIVER 90 YUGOSLAVIA BELGRADE, DANUBE RIVER 90 YUGOSLAVIA BELGRADE, DANUBE RIVER 91 YUGOSLAVIA BELGRADE, DANUBE RIVER 91 YUGOSLAVIA BELGRADE, DANUBE RIVER 92 YUGOSLAVIA BELGRADE, DANUBE RIVER 94 YUGOSLAVIA BELGRADE, DANUBE RIVER 95 YUGOSLAVIA BELGRADE, DANUBE RIVER 95 YUGOSLAVIA BELGRADE, DANUBE RIVER 95 YUGOSLAVIA BELGRADE, DANUBE RIVER 96 YUGOSLAVIA BELGRADE, DANUBE RIVER 97 YUGOSLAVIA	82	9	YEMEN (ADEN)	WADI SARR, WADI AMD	48	16.3N 48.	№		19910501	114902		268	49	50
62 YEMEN (ADEN) SAND DUNES, COAST 14.1N 48.2E 14.3N 49.3E 30 LO 250 N Y 1 89 YUGOSLAVIA CP BTWN DANUBE & TISA R, 46.0N 19.5E 48.3N 17.7F 70 LO 250 N Y 1 89 YUGOSLAVIA HODMEZOVASARHELY, SZEGED 46.5N 20.5E 48.3N 17.7E 70 LO 250 N Y 1 89 YUGOSLAVIA CLOUDS 15 YEMOSLAVIA 15 A RIVER, ZRENJANIN 45.5N 20.5E 48.3N 17.9E 80 LO 250 N Y 1 89 YUGOSLAVIA TISA RIVER, DANUBE, CLOUDS 45.0N 21.0E 47.7N 18.8E 80 LO 250 N Y 1 89 YUGOSLAVIA AREA AROUND VODICE 44.0N 16.0E 43.11 16.9E 40 LO 250 N N 1 80 YUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1 80 YUGOSLAVIA 80 YUGOSLAVIA 81 YUGOSLAVIA 82 YUGOSLAVIA 82 YUGOSLAVIA 83 YUGOSLAVIA 84 YUGOSLAVIA 85 YUGOSLAVIA 85 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA 86 YUGOSLAVIA	85	61	(EMEN (ADEN)	ŝ	47	E 14.6N 49.	25 LO	20	19910501	114933	137	271	47	20
63 YEMEN (ADEN) WADI HUWAYRAH, CST, AFLD 14.5N 49.5E 13.5N 49.8E 60 10 250 N N 1 89 YUGOSLAVIA CP BTWN DANUBE & TISA R. 46.0N 19.5E 48.3N 17.7E 70 L0 250 N Y 1 490 YUGOSLAVIA HODMEZOVASARHELY, SZEGED 46.5N 20.5E 48.3N 17.9E 80 L0 250 O Y 1 21.0E 48.2N 18.0E 85 L0 250 O N 1 15A RIVER, ZRENJANIN 45.5N 20.5E 47.7N 18.0E 80 L0 250 N Y 1 80 YUGOSLAVIA AREA RIVER, DANUBE CLOUDS 45.0N 21.0E 47.6N 19.1E 80 L0 250 N Y 1 80 YUGOSLAVIA AREA ROUND VODICE 44.0N 20.5E 45.0N 20.5E 45.0N 20.5E 45.0N 20.5E 45.0N 20.5E 45.0N 20.5E 45.0N 20.5E 45.0N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 20.5E 40.5N 40.	85	62	YEMEN (ADEN)	Š	. 1N 48.	14.3N 49.	30 LO		19910501	114938	136	271	47	20
4 99 YUGOSLAVIA CP BTWN DANUBE & TISAR. 46.0N 19.5E 48.3N 17.7E 70 L0 250 N Y 1 4 90 YUGOSLAVIA HODMEZOVASARHELY, SZEGED 46.5N 20.5E 48.3N 17.7E 70 L0 250 O Y 1 YUGOSLAVIA CLOUDS CLOUDS 45.0N 21.0E 48.2N 18.0E 85 L0 250 O N 1 4 95 YUGOSLAVIA TISAR RIVER, ZRENJANIN 45.5N 20.5E 47.7N 18.8E 80 L0 250 N Y 1 1 SA RIVER, DANUBE, CLOUDS 45.0N 16.0E 47.5N 19.1E 80 L0 250 N Y 1 99 YUGOSLAVIA AREA AROUND VODICE 44.0N 16.0E 43.11 16.9E 40 L0 250 N N 1 1 90 YUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1 1 90 YUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1 1 90 YUGOSLAVIA BELGRADE, DANUBE AT STATE AT STA	85	63	YEMEN (ADEN)	WADT HUWAYRAH CST AFID	5N 49	13.5N 49	60 10		19910501				47	20
90 YUGOSLAVIA HODMEZOVASARHELY, SZEGED 46.5N 20.5E 48.3N 17.9E 80 LO 250 Y 4 91 YUGOSLAVIA TISA RIVER, ZRENJANIN 45.5N 20.5E 47.7N 18.8E 80 LO 250 N 7 4 96 YUGOSLAVIA TISA RIVER, DANUBE, CLOUDS 45.0N 21.0E 47.7N 18.8E 80 LO 250 N 7 5 94 YUGOSLAVIA AREA RIVER, DANUBE RIVER 45.0N 16.0E 43.11 16.9E 40 LO 250 N 1 90 VUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1	74	68	YUGOSLAVIA		19	48.3N 17	70 10		19910506					129
91 YUGOSLAVIA CLOUDS 45.0N 21.0E 48.2N 18.0E 85 LO 250 O N 1	74	06	YUGOSLAVIA			48.3N	80 1.0	C	19910506					129
4 VGOSLAVIA TISA RIVER, ZRENJANIN 45.5N 20.5E 47.7N 18.8E 80 LO 250 N Y 4 VGOSLAVIA AREA AROUND VODICE 44.0N 16.0E 43.13 16.9E 40 LO 250 N Y 1 97 VUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55.1O 250 N N	74	91	YUGOSLAVIA		NO	48.2N	85 LO	0	19910506					129
4 96 YUGOSLAVIA TISA RIVER, DANUBE, CLOUDS 45.0N 21.0E 47.6N 19.1E 80 LO 250 N 19.1E 80 LO 250 N 10.250 N	74	95	YUGOSLAVIA	œ	. 5N	47.7N 18	80 10	2	19910506		145			129
5 94 YUGOSLAVIA AREA AROUND VODICE 44.0N 16.0E 43.1% 16.9E 40 LO 250 N N 1 97 YUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1 97 YUGOSLAVIA BELGRADE DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1 97 YUGOSLAVIA AR 20.5E 46.5N 22.5	74	96	YUGOSLAVIA	RIVER		47.6N 19	80 LO	Z			145			129
1 97 YUGOSLAVIA BELGRADE, DANUBE RIVER 45.0N 20.5E 46.5N 22.5E 55 LO 250 N N 1	96	94	YUGOSLAVIA	AREA AROUND VODICE	16	43.13 16	40 LO	z	19910503	~			&	
THE DOCUMENT OF THE PARTY OF TH	151	9)	YUGOSLAVIA	, DANUBE RIVE	5.0N 20.	46.5N 22.	55 LO	z	CD.	on.			4	34
I SO TOUGSLAVIES DELEGABLE, DANDSE RIVER 44.3N ZI.UE 40 23.ZE GO LO 250 N N I	151	98	YUGOSLAVIA	BELGRADE, DANUBE RIVER	44.5N 21.0	E 46.1N 23.2	E 60 LO	250 N N	19910430	114638	142	212	54	34

TABLE 4.4. STS-39 HANDHELD PHOTOGRAPHY SORTED BY GEOGRAPHIC NAME (Concluded)

ã	82	GEOGRAPHIC NAME	FEATURE	CENTER	LON LON	NADIR	I NON	11 23	FL E S	DATE	EM S	لم لم	AZ SUN	 -==	l &
2	34	ZAIRE	CONGO R. LULONGA R. RNFST.	0 8N	18.3E	1.9N	18.0E	2	2	19910505	12	ı	285	63 1	115
8	35	ZAIRE	CONGO R. MBANDAKA, RNFST.	0.2N	18.3E	1.6N	18.1E	2	z	19910505			285		115
81	36	ZAIRE	CONGO R, RAINFOREST	0.35	18.0E	1. 1N	18.4E	70 LO 2		19910505	125602	2 140	286		115
83	27	ZAIRE	UBANGI R, IBENGA R.	2.2N	18.1E	2.6N	18.6E	≩		19910429	150637	7 138	284	24	20
83	28	ZAIRE	UBANGI R, GIRI R.	0.6N	18.0E	1.2N	19.4E	20 10 2	250 N N	19910429	150702	2 138	285	22	20
93	59	ZAIRE	R-JOINS	0.45	17.8E	. 2N	20.0E	07	Z	19910429	150721		285	21	20
83	30	ZAIRE	BASIN, DEFORE	3.05	18.5E	1.25	20.8E	2	z	19910429	150745		285	20	20
83	31	ZAIRE	KASAI R, LOANGE R.	4.35	20.2E	σ.	21.8E	2	z	19910429	150816		286	19	20
83	32	ZAIRE	Œ	4.25	23.0E	3.95	۲,	2	Z	19910429	150834		286	18	20
83	33	ZAIRE		4.58	22.5E	4.58	•	2	z	19910429	15084	4 138	286	11	20
83	7.	74185	FIRES DEFORESTATION HAZE	4 65	22 SF	50.00		30 1 0 2	7 N 03 C	19910429	15085	4 138	288	17	2
9 6	35	ZATRE	SMOKE HAZE	?		, ~	24.0E	2	: z	19910429	15092		287	15	2 2
83	36	ZAIRE	SMOKE			7.25	24.3E	2	_	19910429	15093		287	15	20
83	37	ZAIRE	SMOKE.			7.75		2	z	19910429			287	14	20
83	38	ZAIRE	FIRES, SMOKE, HAZE			8.15	•	2	z	19910429	150949		287	14	20
83	39	ZAIRE	SMOKE			8.85		2	z	19910429	151001		287	13	20
06	66	ZAIRE	UNIDENTIFIED RIVER			2.4N		2	z	19910429	150638		284	23	20
90	100	ZAIRE	FIED			1.9N	19.0E		z	19910429			284	23	20
610	18	ZAIRE				5.48	σ,		z	19910430	15029	13	288	22	35
83	40	ZAMBIA	LAKE MWERU, HAZY	8.75	29.0E	10.65	26.3E	2	250 N N	19910429	15103	3 138	287	12	20
83	41	ZAMBIA	LAKE MWERU, SO. END, HAZY	9.58	6 E	10.85	26.4E	7 07	90 N	19910429	151037	7 138	287	11	20
83	45	ZAMBIA	L, MWERU, SO. END, LUAPULA R	9.78	28.6E	11.35	26.7E	2	z	19910429	151046		287	11	20
83	43	ZAMBIA	•	9.68	7E	11.65	26.9E	2	z	19910429			287	11	20
83	44	ZAMBIA	LUAPULA R, FIRES, HAZY	10.25	. 6E	11.95	27.0E	2	z	19910429			287	10	20
83	45	ZAMBIA	LGE AFLD, MTN RIDGES, DARK			•	28.5E	2	250 U N	19910429			287	œ	70
83	46	ZAMBIA	, SWAMP	10.58		15.0S	29.0E	2	Z	19910429			287	7	20
83	47	ZAMBIA	IKA, SWAMP	10.0S	. SE	15.75	œ.		⊃	19910429	151206		287	7	20
610	21	ZAMBIA	LAKE KARIBA	17.55	27.5E	15.58	25.3E	70 7	20 N	19910430	150500	137	583	12	35
															-

1. Report No. /JSC-25357	2. Government Acc	ession No. 3.	Recipient's Catalog I	No.	
4. Title and Subtitle Catalog of Space Shuttle Earth Observations Handheld P Space Transportation System 39 (STS-39)		hotography:	S. Report Date October 1991 6. Performing Organization Code		
7. Author(s) Raymond M. Nelson et al. Lockheed Engineering & Sciences Company 9. Performing Organization Name and Address Lockheed Engineering & Sciences Company Engineering and Science Program		10.	Performing Organiza LESC-29781 Work Unit No.		
 2400 NASA Road 1 Houston, Texas 77058 12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Lyndon B. Johnson Space Center, Houston, Texas 77058 JSC Technical Monitor: D. E. Pitts 			NAS 9-17900 Type of Report and Period Covered Technical Report Sponsoring Agency Code		
15 Supplementary Notes					
This document catalogs Space Shuttle handheld Earth observations photographs which were collected during the Space Transportation System 39 (STS-39) Mission of April 28 through May 6, 1991. The catalog includes the following data for each of 3628 frames, 3396 of which are Earth looking: identification number, geographical name, feature description, latitude and longitude, percentage of cloud cover, tilt, lens focal length, exposure evaluation, stereopair availability, and orbit number. The catalog is a product of the Flight Science Support Office, Solar System Exploration Division, Space and Life Sciences Directorate, of the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center. Catalogs are available from the Flight Science Support Office and the EROS Data Center.					
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